MARK	DESIGNATION	MODIF.A	MODIF.B	MODIF.C
45	FREE			
46	FREE			
47	8 PLC AO R0/S5 CH0-CH3	8/13/1991	6/24/2003	
48	8 PLC AO R0/S5 CH4-CH7			
49	8 PLC AO R0/S6 CH0-CH3			
50	8 PLC AO R0/S6 CH4-CH7			
51	RACK TSX_RCE_860			
52	8 PLC AO R0/S7 CH0-CH3	8/13/1991		
53	8 PLC AO R0/S7 CH4-CH7	8/13/1991		
54	8 PLC AO R0/S8 CH0-CH3	8/13/1991		
55	8 PLC AO R0/S8 CH4-CH7	8/13/1991		
56	8 PLC AO R0/S9 CH0-CH3	8/13/1991		
57	8 PLC AO R0/S9 CH4-CH7			
58	8 PLC AO R0/S10 CH0-CH3			
59	FREE			
60	FREE			
61	FREE			
62	FREE			
63	RACK TSX_RCE_860			
64	32 PLC DI R0/S11 CH0-CH7			
65	32 PLC DI R0/S11 CH8-CH15			
66	32 PLC DI R0/S11 CH16-CH23			
67	32 PLC DI R0/S11 CH24-CH31			
68	32 PLC DI R0/S12 CH0-CH7			
69	32 PLC DI R0/S12 CH8-CH15			
70	32 PLC DI R0/S12 CH16-CH23			
71	32 PLC DI R0/S12 CH24-CH31			
72	32 PLC DI R1/S0 CH0-CH7			
73	32 PLC DI R1/S0 CH8-CH15			
74	32 PLC DI R1/S0 CH16-CH23			
75	32 PLC DI R1/S0 CH24-CH31			
76	32 PLC DI R1/S1 CH0-CH7			
77	32 PLC DI R1/S1 CH8-CH15			
78	32 PLC DI R1/S1 CH16-CH23		6/24/1993	
79	32 PLC DI R1/S1 CH24-CH31			
80	32 PLC DI R1/S2 CH0-CH7		6/24/1993	
81	32 PLC DI R1/S2 CH8-CH15		6/24/1993	
82	32 PLC DI R1/S2 CH16-CH23		6/24/1993	
83	32 PLC DI R1/S2 CH24-CH31		6/24/1993	
84	32 PLC DI R1/S3 CH0-CH7			
85	32 PLC DI R1/S3 CH8-CH15		6/24/1993	
86	32 PLC DI R1/S3 CH16-CH23		6/24/1993	
87	32 PLC DI R1/S3 CH24-CH31		6/24/1993	
88	32 PLC DI R1/S4 CH0-CH7	8/13/1991		
89	32 PLC DI R1/S4 CH8-CH15			
90	32 PLC DI R1/S4 CH16-CH23			

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91	32 PLC DI R1/S4 CH24-CH31			
92	32 PLC DI R1/S5 CH0-CH7			
93	32 PLC DI R1/S5 CH8-CH15			
94	32 PLC DI R1/S5 CH16-CH23			
95	32 PLC DI R1/S5 CH24-CH31			
96	RACK TSX_RCE_860			
97	32 PLC DI R1/S6 CH0-CH7			
98	32 PLC DI R1/S6 CH8-CH15	8/13/1991		
99	32 PLC DI R1/S6 CH16-CH23			
100	32 PLC DI R1/S6 CH24-CH31			
101	32 PLC DI R1/S7 CH0-CH7			
102	32 PLC DI R1/S7 CH8-CH15			
103	32 PLC DI R1/S7 CH16-CH23			
104	32 PLC DI R1/S7 CH24-CH31	8/13/1991		
105	32 PLC DI R1/S8 CH0-CH7			
106	32 PLC DI R1/S8 CH8-CH15			
107	32 PLC DI R1/S8 CH16-CH23		6/24/1993	
108	32 PLC DI R1/S8 CH24-CH31		6/24/1993	
109	32 PLC DI R1/S9 CH0-CH7	8/13/1991		
110	32 PLC DI R1/S9 CH8-CH15	8/13/1991		
111	32 PLC DI R1/S9 CH16-CH23	8/13/1991		
112	32 PLC DI R1/S9 CH24-CH31	8/13/1991		
113	32 PLC DI R1/S10 CH0-CH7	8/13/1991		
114	32 PLC DI R1/S10 CH8-CH15		6/24/1993	
115	32 PLC DI R1/S10 CH16-CH23			
116	32 PLC DI R1/S10 CH24-CH31		6/24/1993	
117	32 PLC DI R1/S11 CH0-CH7			
118	32 PLC DI R1/S11 CH8-CH15			
119	32 PLC DI R1/S11 CH16-CH23		6/24/1993	
120	32 PLC DI R1/S11 CH24-CH31		6/24/1993	
121	FREE			
122	FREE			
123	FREE			
124	FREE			
125	32 PLC DI R2/S0 CH0-CH7			
126	32 PLC DI R2/S0 CH8-CH15		6/24/1993	
127	32 PLC DI R2/S0 CH16-CH23	8/13/1991	6/24/1993	
128	32 PLC DI R2/S0 CH24-CH31	8/13/1991		
129	RACK TSX_RCE_860			
130	FREE			
131	FREE			
132	FREE			
133	FREE			
134	FREE			
135	FREE			
136	FREE			

INTEPLAST GROUP, Ltd.
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DRAWN DATE: 01-22-2025

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137	FREE			
138	FREE			
139	FREE			
140	FREE			
141	FREE			
142	FREE			
143	FREE			
144	FREE			
145	FREE			
146	32 PLC DI R2/S1 CH0-CH7	8/13/1991		
147	32 PLC DI R2/S1 CH8-CH15	8/13/1991		
148	32 PLC DI R2/S1 CH16-CH23			
149	32 PLC DI R2/S1 CH24-CH31	8/13/1991		
150	32 PLC DI R2/S2 CH0-CH7			
151	32 PLC DI R2/S2 CH8-CH15			
152	32 PLC DI R2/S2 CH16-CH23			
153	32 PLC DI R2/S2 CH24-CH31			
154	32 PLC DI R2/S3 CH0-CH7			
155	32 PLC DI R2/S3 CH8-CH15			
156	32 PLC DI R2/S3 CH16-CH23			
157	32 PLC DI R2/S3 CH24-CH31			
158	32 PLC DI R2/S4 CH0-CH7			
159	32 PLC DI R2/S4 CH8-CH15			
160	32 PLC DI R2/S4 CH16-CH23		6/24/1993	
161	32 PLC DI R2/S4 CH24-CH31			
162	RACK TSX_RCE_860	8/13/1991		
163	32 PLC DI R2/S5 CH0-CH7		6/24/1993	
164	32 PLC DI R2/S5 CH8-CH15		6/24/1993	
165	32 PLC DI R2/S5 CH16-CH23	8/13/1991	6/24/1993	
166	32 PLC DI R2/S5 CH24-CH31			
167	32 PLC DI R2/S6 CH0-CH7	8/13/1991	6/24/1993	
168	32 PLC DI R2/S6 CH8-CH15			
169	32 PLC DI R2/S6 CH16-CH23			
170	32 PLC DI R2/S6 CH24-CH31			
171	32 PLC DI R2/S7 CH0-CH7			
172	32 PLC DI R2/S7 CH8-CH15			
173	32 PLC DI R2/S7 CH16-CH23		6/24/1993	
174	32 PLC DI R2/S7 CH24-CH31			
175	32 PLC DI R2/S8 CH0-CH7		6/24/1993	
176	32 PLC DI R2/S8 CH8-CH15			
177	32 PLC DI R2/S8 CH16-CH23	8/13/1991	6/24/1993	
178	32 PLC DI R2/S8 CH24-CH31	8/13/1991		
179	32 PLC DI R2/S9 CH0-CH7	8/13/1991		
180	32 PLC DI R2/S9 CH8-CH15	8/13/1991		
181	32 PLC DI R2/S9 CH16-CH23	8/13/1991		
182	32 PLC DI R2/S9 CH24-CH31	8/13/1991		

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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DRAWING NO.: KF F13

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184	32 PLC DI R2/S10 CH8-CH15			
185	32 PLC DI R2/S10 CH16-CH23		6/24/1993	
186	32 PLC DI R2/S10 CH24-CH31			
187	32 PLC DI R2/S11 CH0-CH7			
188	32 PLC DI R2/S11 CH8-CH15		6/24/1993	
189	32 PLC DI R2/S11 CH16-CH23	8/13/1991	6/24/1993	
190	32 PLC DI R2/S11 CH24-CH31	8/13/1991	10/29/1991	6/24/1993
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192	FREE			
193	FREE			
194	FREE			
200	WATER BATH LEVEL L5L 1050-03			
210	TERMINAL BOLCKS X13 1 - 32			
211	TERMINAL BOLCKS X13 33 - 64			
212	TERMINAL BOLCKS X13 65 - 96			
213	TERMINAL BOLCKS X13 97 - 128			
214	TERMINAL BOLCKS X13 129 - 160			
215	TERMINAL BOLCKS X13 161 - 192		6/24/1993	
216	TERMINAL BOLCKS X13 193 - 224		6/24/1993	
217	TERMINAL BOLCKS X13 225 - 256			
218	TERMINAL BOLCKS X13 257 - 288		6/24/1993	
219	TERMINAL BOLCKS X13 289 - 320			
220	TERMINAL BOLCKS X13 321 - 352			
221	TERMINAL BOLCKS X13 353 - 384			
222	TERMINAL BOLCKS X13 385 - 416		6/24/1993	
223	TERMINAL BOLCKS X13 417 - 448			
224	TERMINAL BOLCKS X13 449 - 480			
225	TERMINAL BOLCKS X13 481 - 512	8/13/1991	6/24/1993	
226	TERMINAL BOLCKS X13 513 - 544		6/24/1993	
227	TERMINAL BOLCKS X13 545 - 576			
228	TERMINAL BOLCKS X13 577 - 608			
229	TERMINAL BOLCKS X13 609 - 640			
230	TERMINAL BOLCKS X13 641 - 672			
231	TERMINAL BOLCKS X13 673- 704			
232	TERMINAL BOLCKS X13 705 - 736		6/24/1993	
233	TERMINAL BOLCKS X13 737 - 768			
234	TERMINAL BOLCKS X13 769 - 800			
235	TERMINAL BOLCKS X13 801 - 832		6/24/1993	
236	TERMINAL BOLCKS X13 833 - 864		6/24/1993	
237	TERMINAL BOLCKS X13 865 - 896			
238	TERMINAL BOLCKS X13 897 - 928		6/24/1993	
239	TERMINAL BOLCKS X13 929 - 960		6/24/1993	
240	TERMINAL BOLCKS X13 961 - 992		6/24/1993	
241	TERMINAL BOLCKS X13 993 - 1024		6/24/1993	
242	TERMINAL BOLCKS X13 1025 - 1056		6/24/1993	

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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DRAWING NO.
DRAWN DATE: 01-22-2025

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244	TERMINAL BOLCKS X13 1089 - 1120			
245	TERMINAL BOLCKS X13 1121 - 1152		6/24/1993	
246	TERMINAL BOLCKS X13 1153 - 1184			
247	TERMINAL BOLCKS X13 1185 - 1216			
248	FREE			
249	TERMINALS BOLCKS RELAYS			
250	TERMINALS BOLCKS RELAYS			
251	TERMINALS BOLCKS RELAYS			
252	TERMINALS BOLCKS RELAYS			
253	TERMINALS BOLCKS RELAYS			
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272	TERMINALS BOLCKS RELAYS			
273	TERMINALS BOLCKS RELAYS		6/24/1993	
274	TERMINALS BOLCKS RELAYS		6/24/1993	
275	TERMINALS BOLCKS RELAYS			
276	TERMINALS BOLCKS RELAYS			
277	TERMINALS BOLCKS RELAYS		6/24/1993	
278	TERMINALS BOLCKS RELAYS		6/24/1993	
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302	LIST OF EQUIPMENT			
303	LIST OF EQUIPMENT			
304	LIST OF EQUIPMENT			

INTEPLAST GROUP, Ltd.
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Line1 F13 Repertory

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DRAWN DATE: 01-22-2025

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INTEPLAST GROUP, Ltd.
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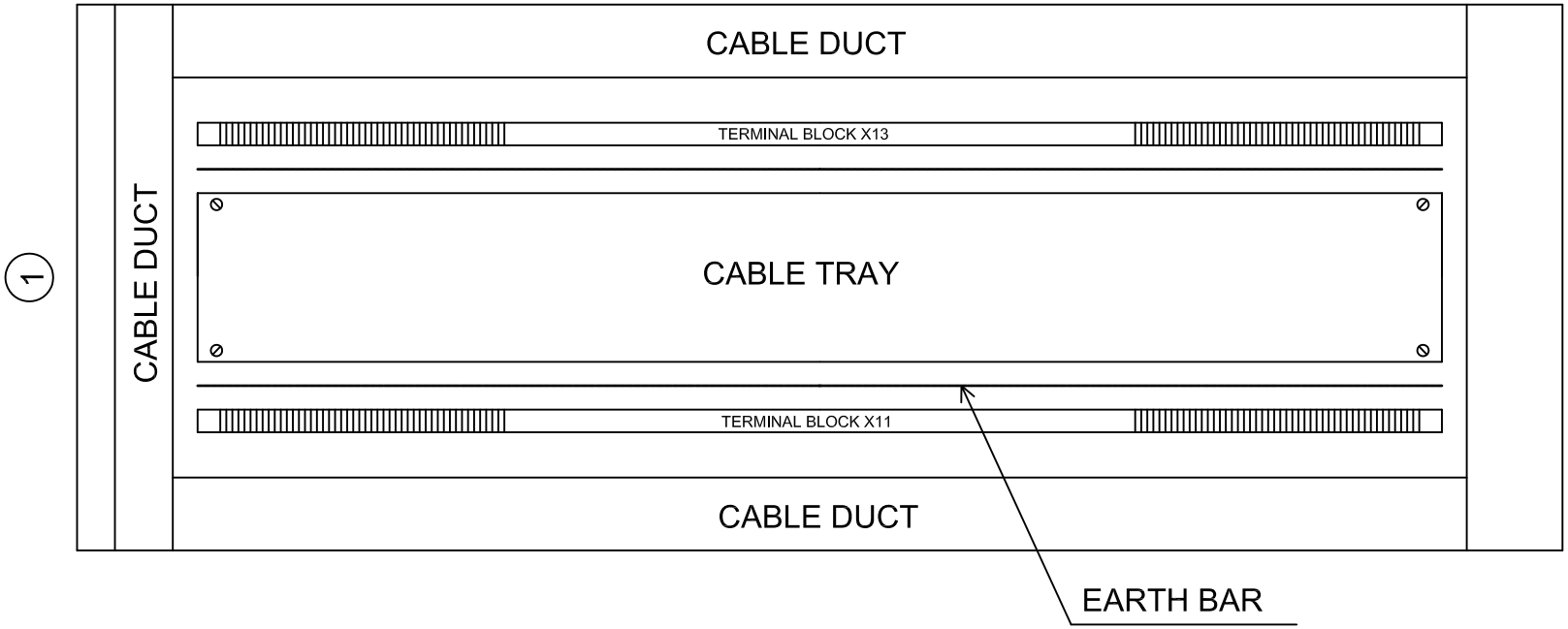

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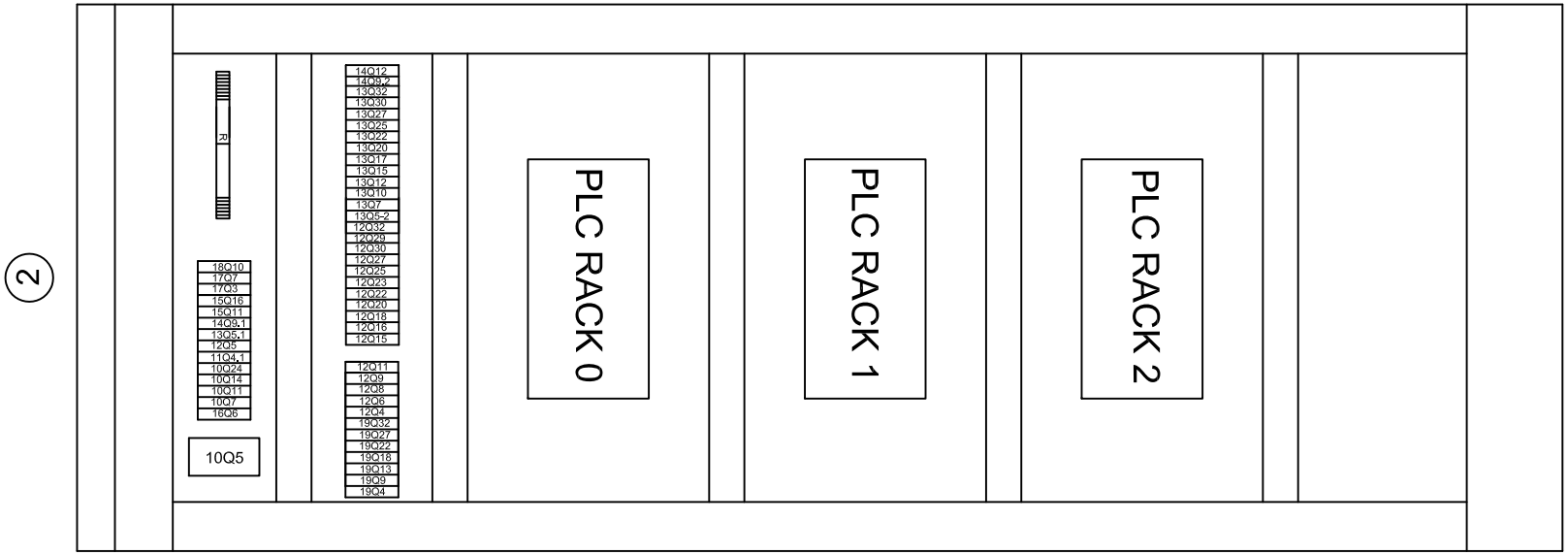

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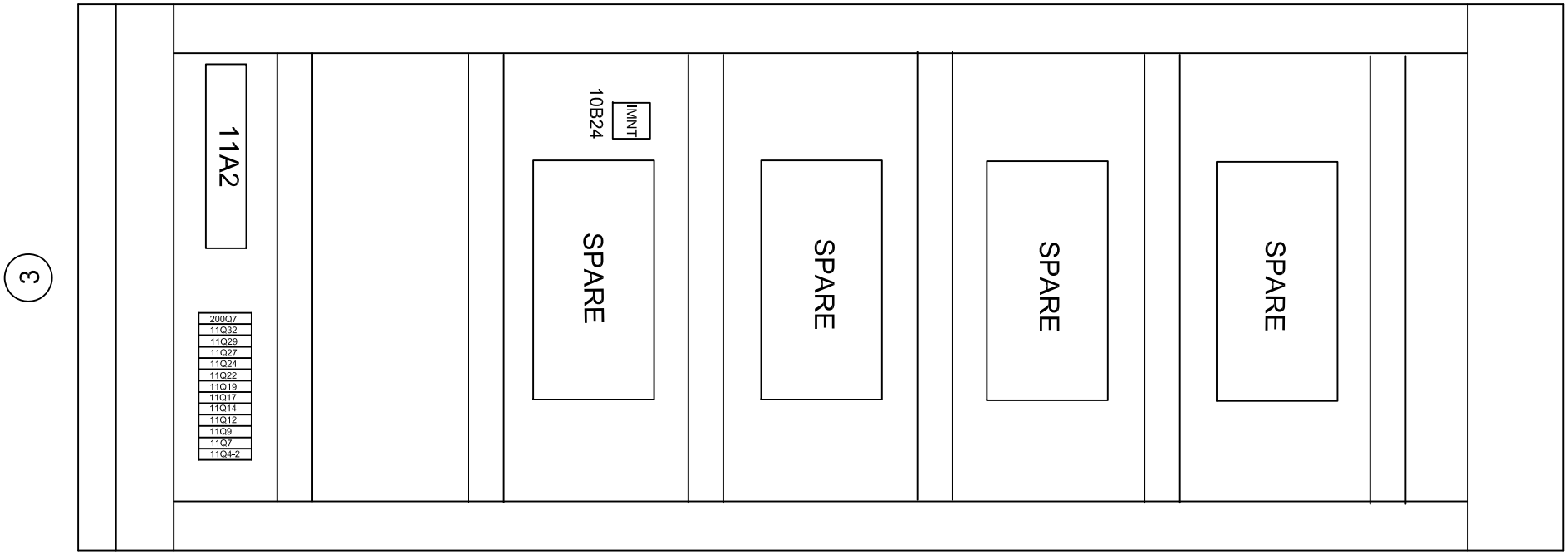

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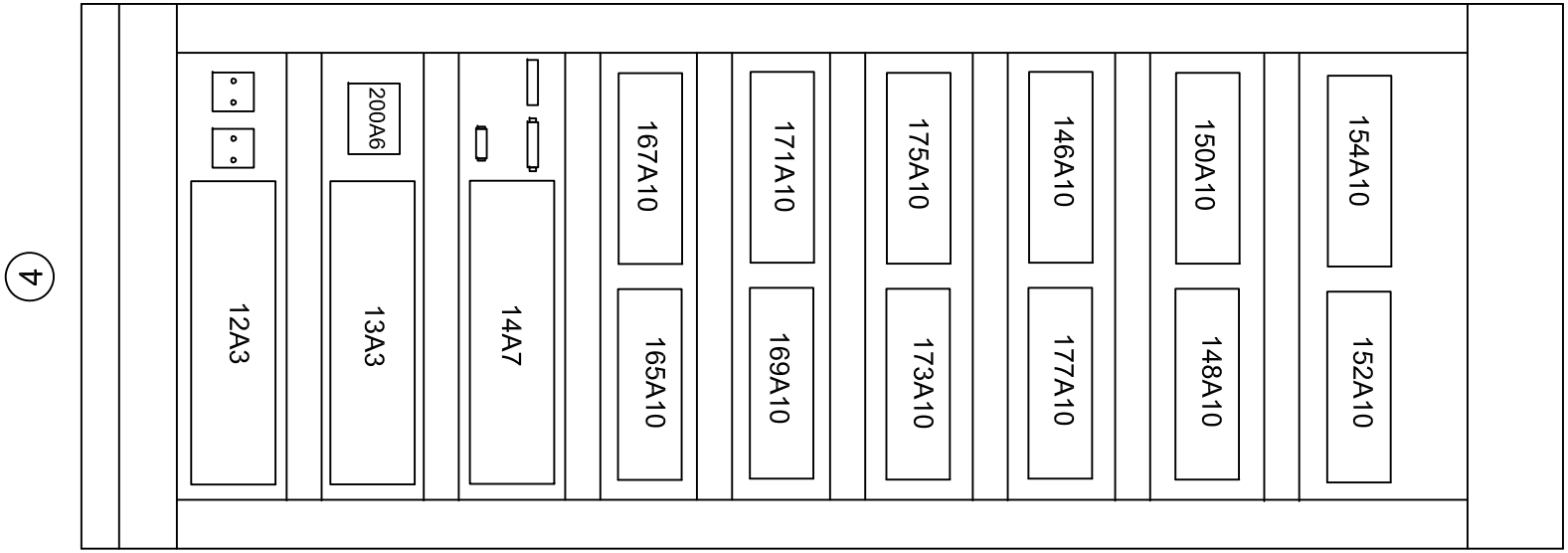

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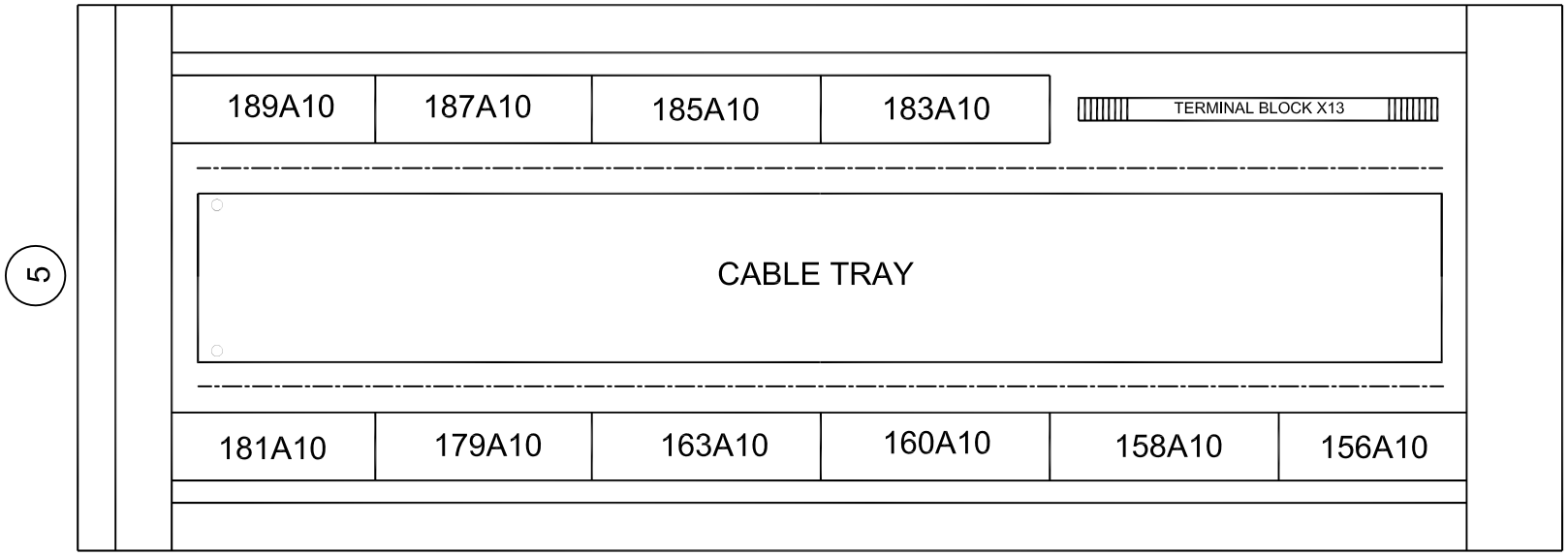

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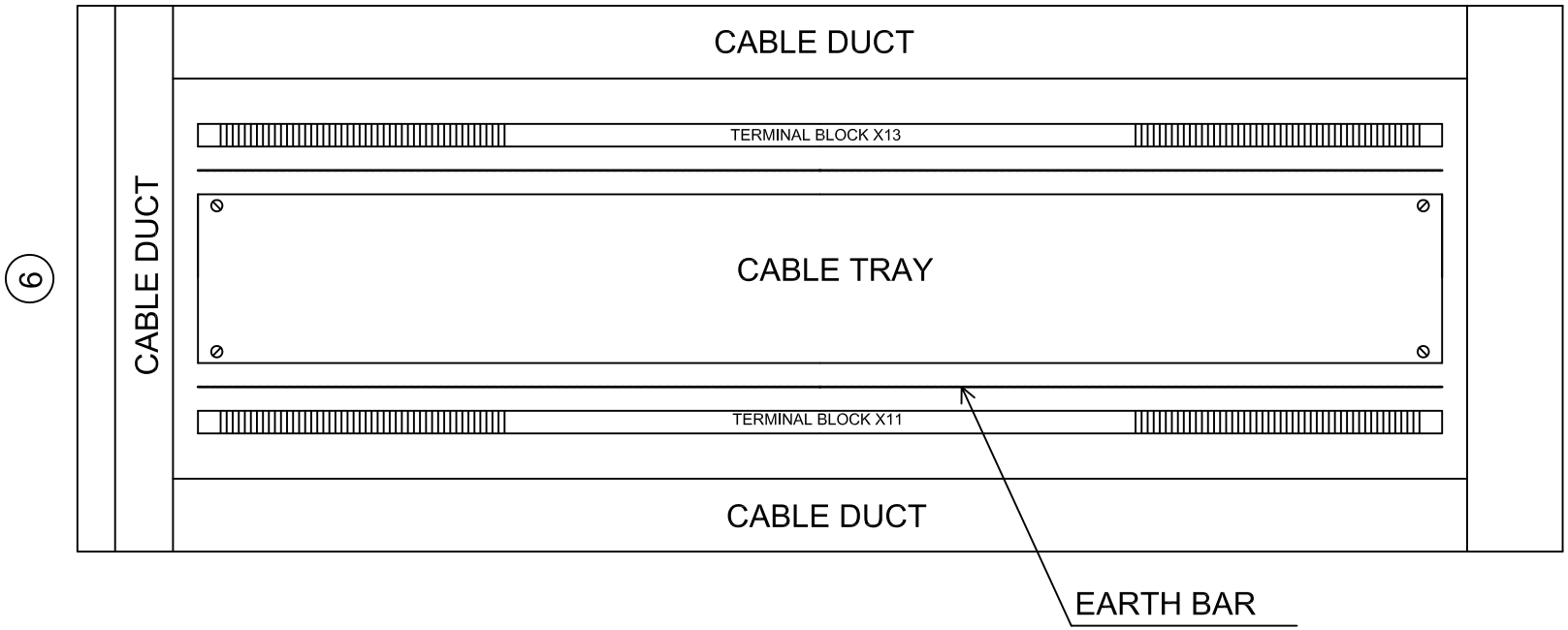

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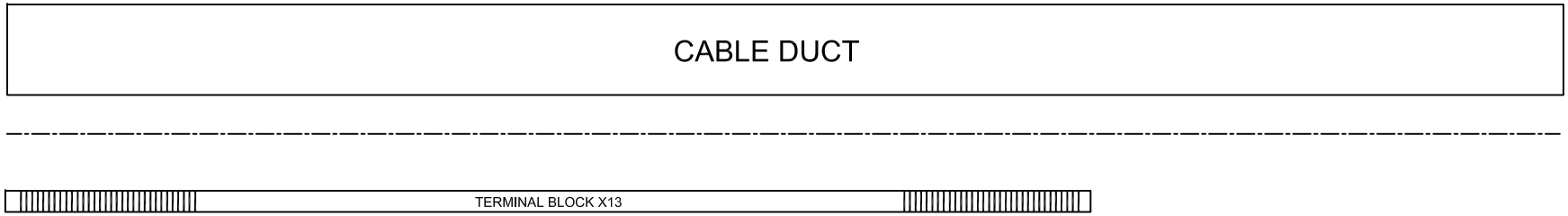

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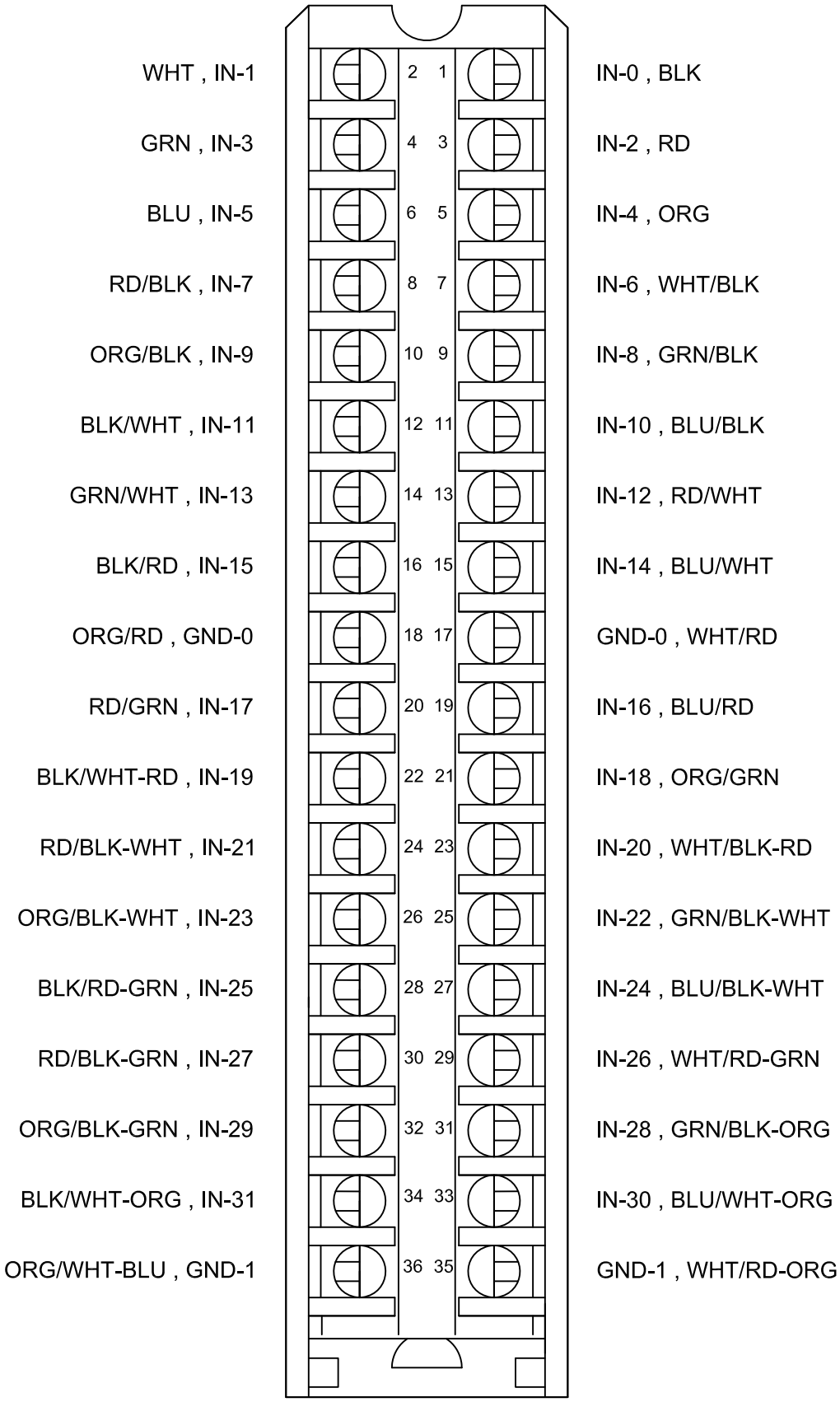

1756-IB32 DC INPUT MODULE

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

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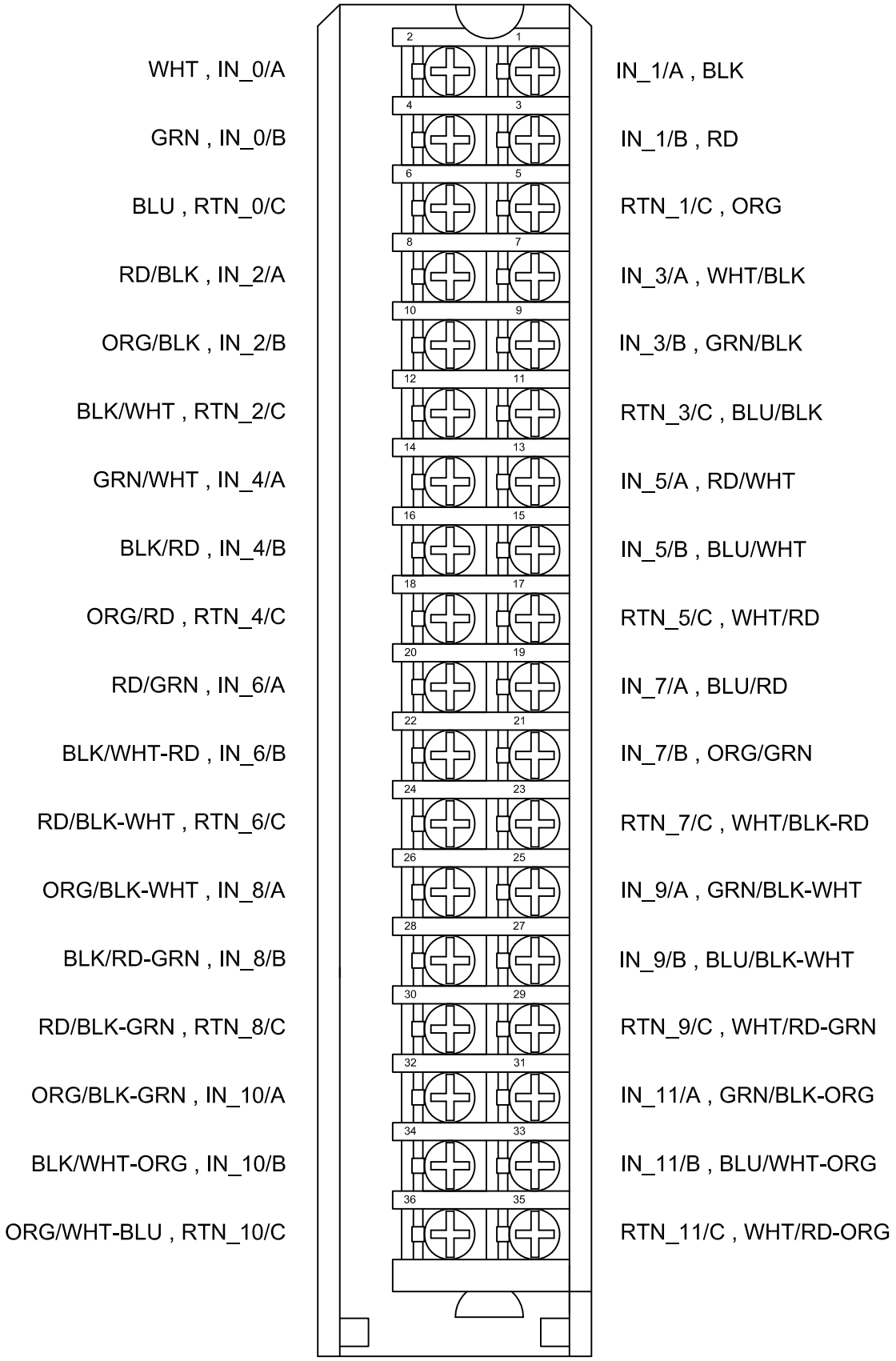

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CH7: 19, 21, 23

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1756-IR12 RTD MODULE

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INTEPLAST GROUP, Ltd.
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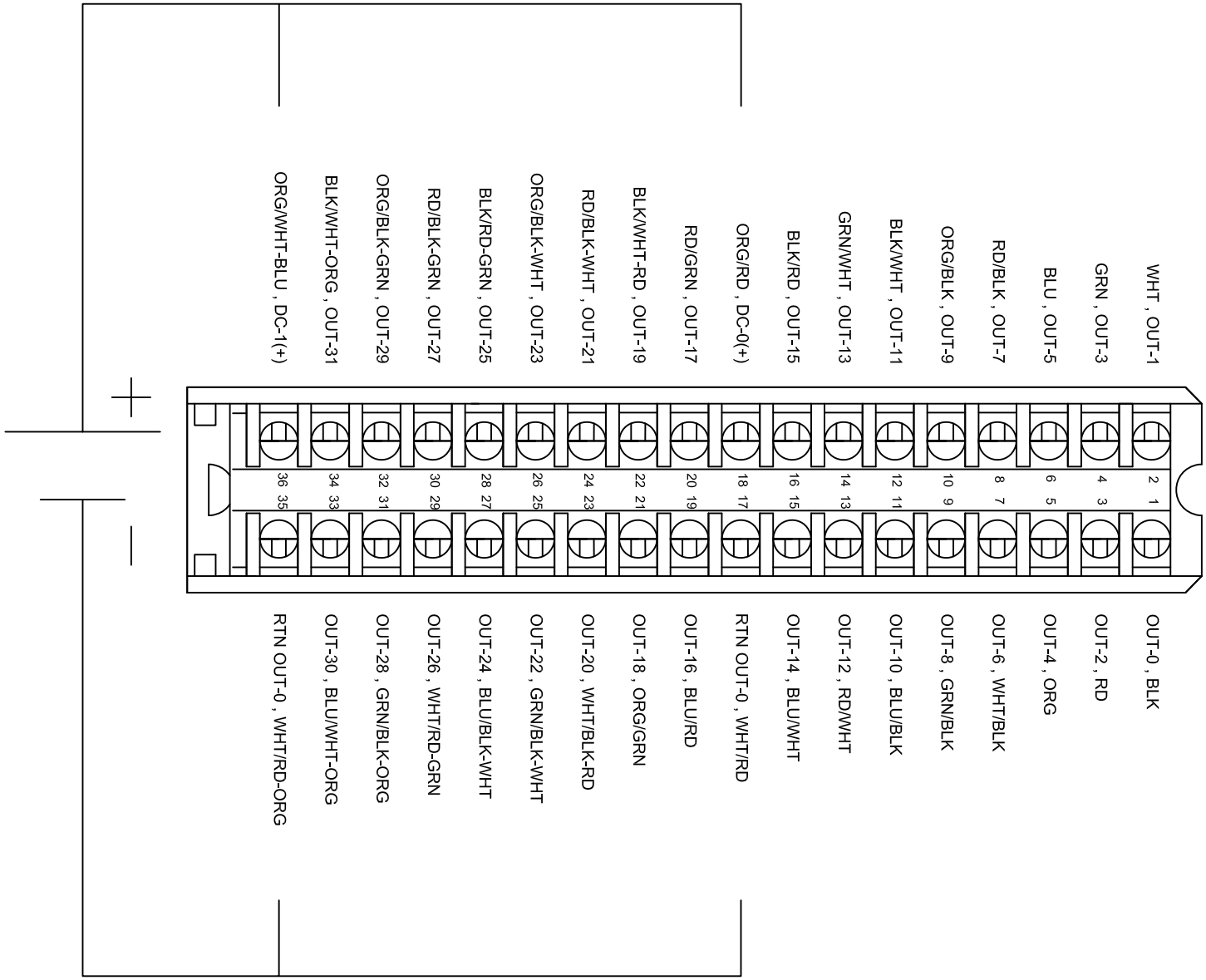
DRAWN BY: Bryan Hong
CHECKED BY: Jerry Wu



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

1756-OB32 DC OUTPUT MODULE

DRAWN BY	Bryan Hong					DRAWING DESCRIPTION	KF F13	Page #	8B		
CHECKED BY	Jerry Wu							Total			
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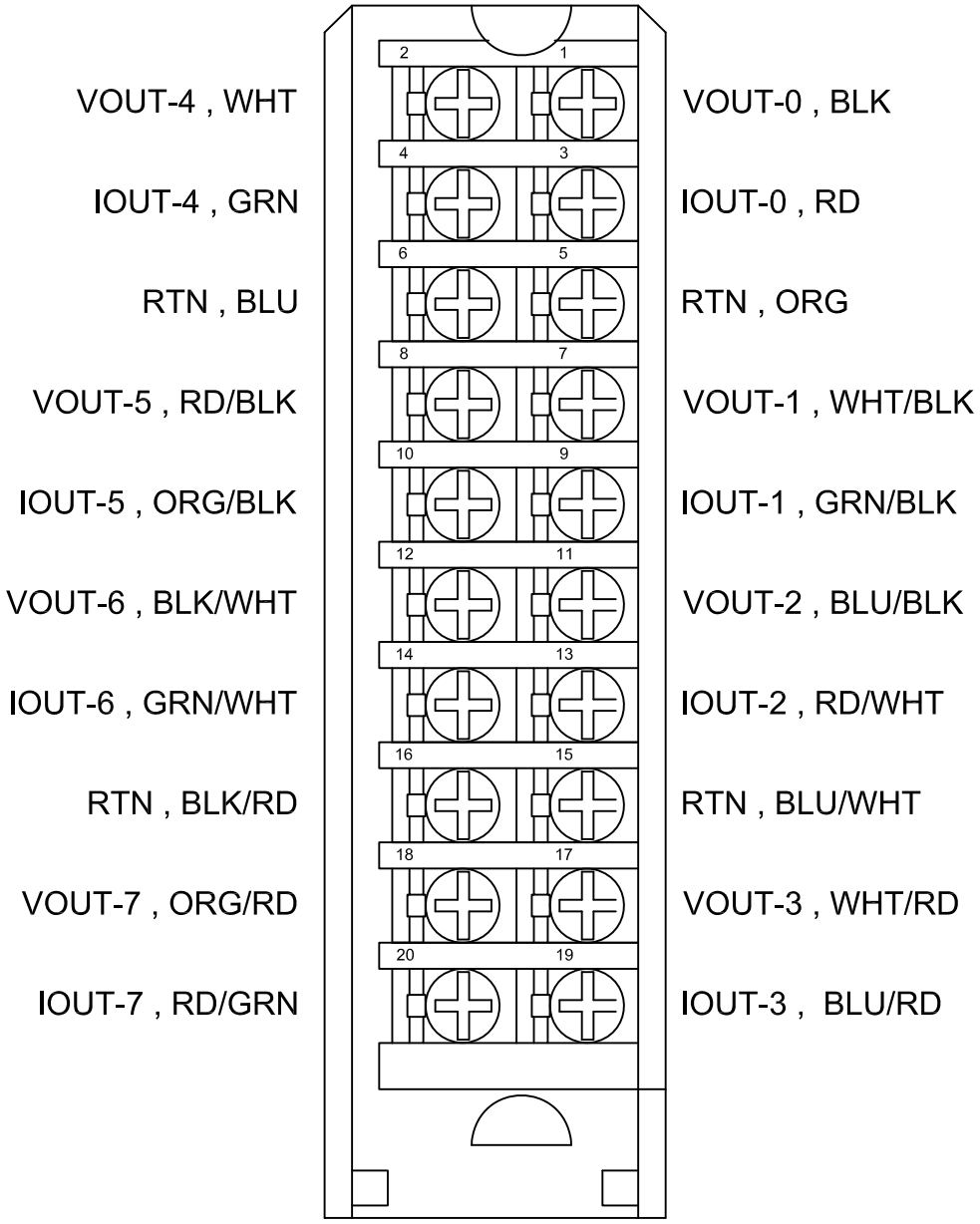


1756-OF8 ANALOG OUTPUT MODULE

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION: KF F13

DRAWING NO.

DRAWN DATE: 11-13-2023

Page # 8C

Total

MATERIAL

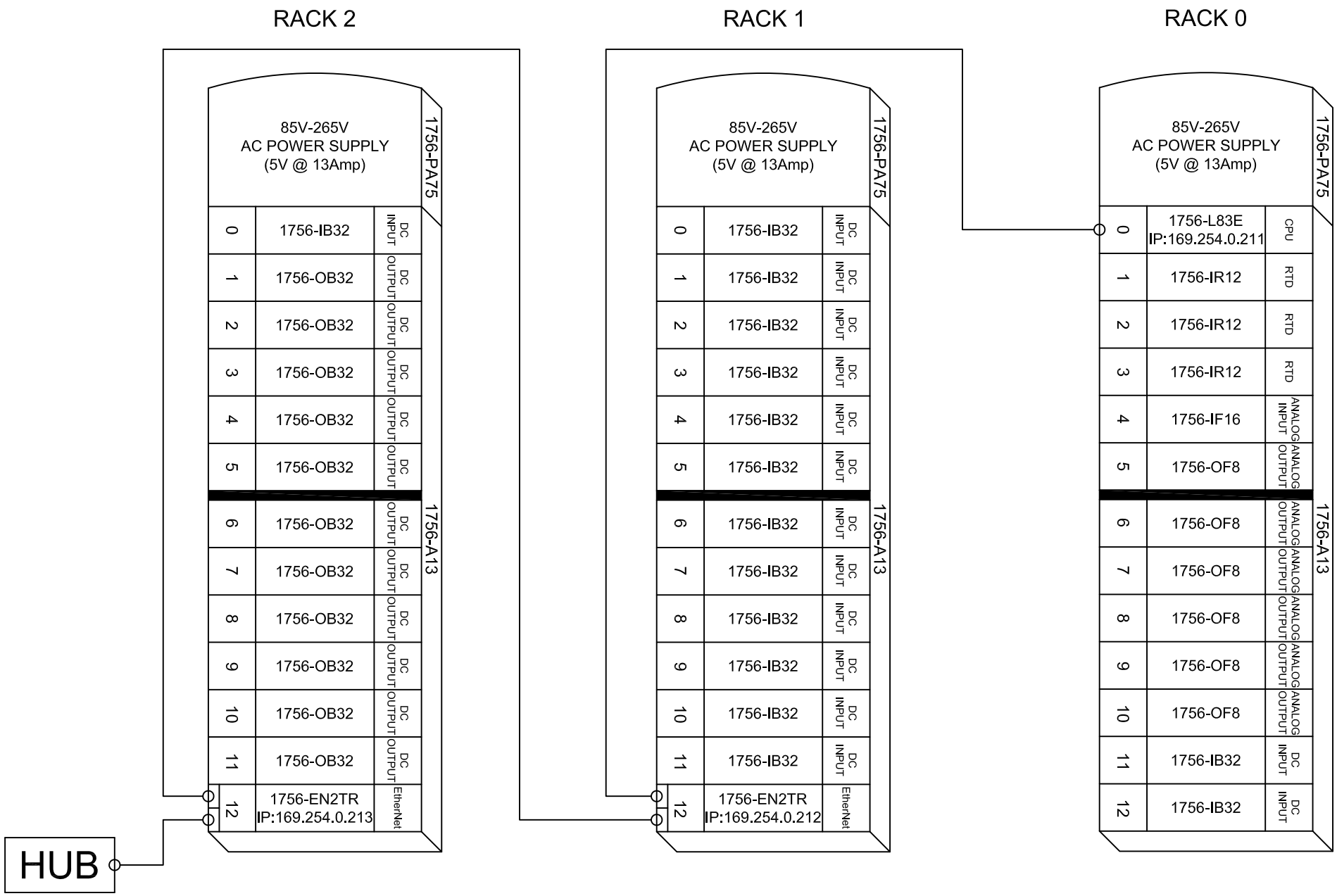
SCALE NONE

UNIT MM

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY Bryan Hong

CHECKED BY Jerry Wu



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	Line1_F13 Allen Bradley PLC MODULE LINK					DRAWING DESCRIPTION	KF F13	Page #	9				
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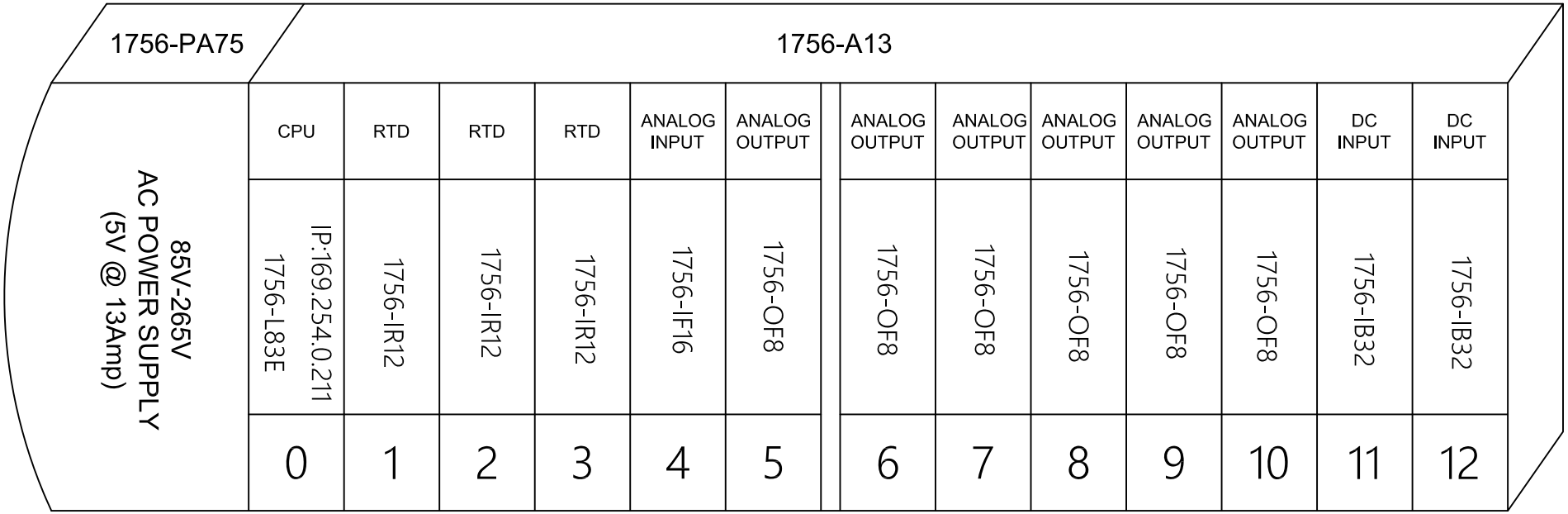

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	Line1_F13 Allen Bradley PLC RACK 0			DRAWING DESCRIPTION	KF F13	Page #	9A		
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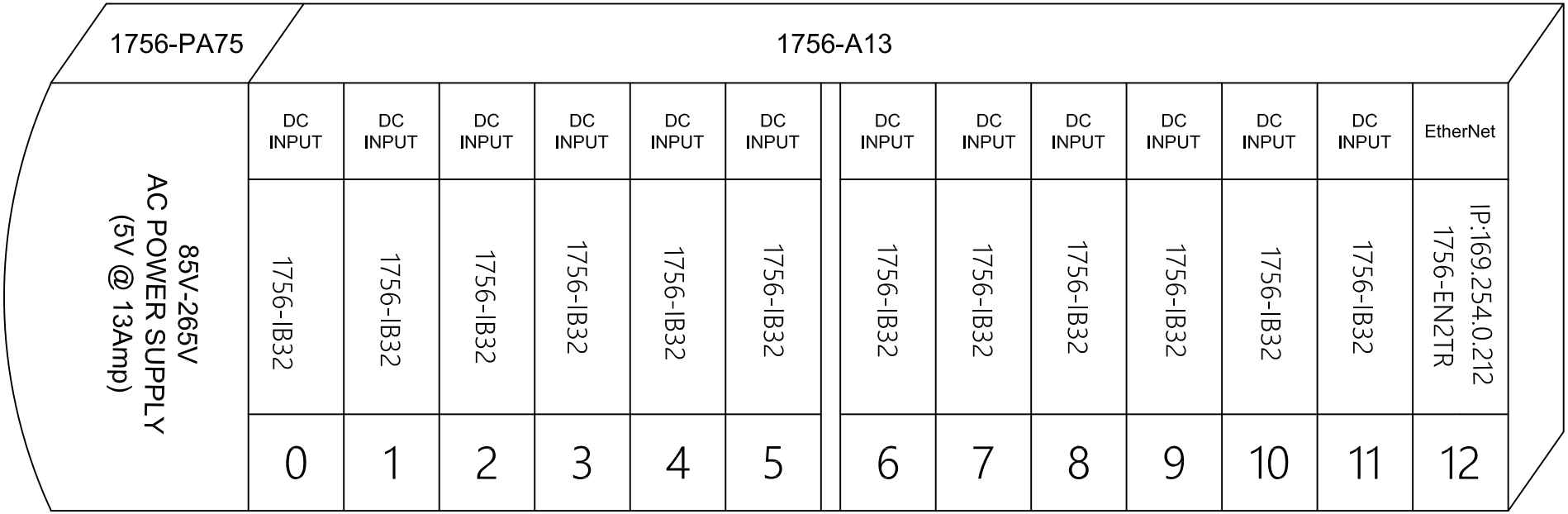
DRAWN BY	Leo Lin			DRAWING NO.		MATERIAL			
CHECKED BY	Jerry Wu	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 10-26-2023	SCALE	NONE	UNIT	MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Leo Lin
CHECKED BY	Jerry Wu

Line1_F13
Allen Bradley PLC RACK 1

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION	KF F13	Page #	9B
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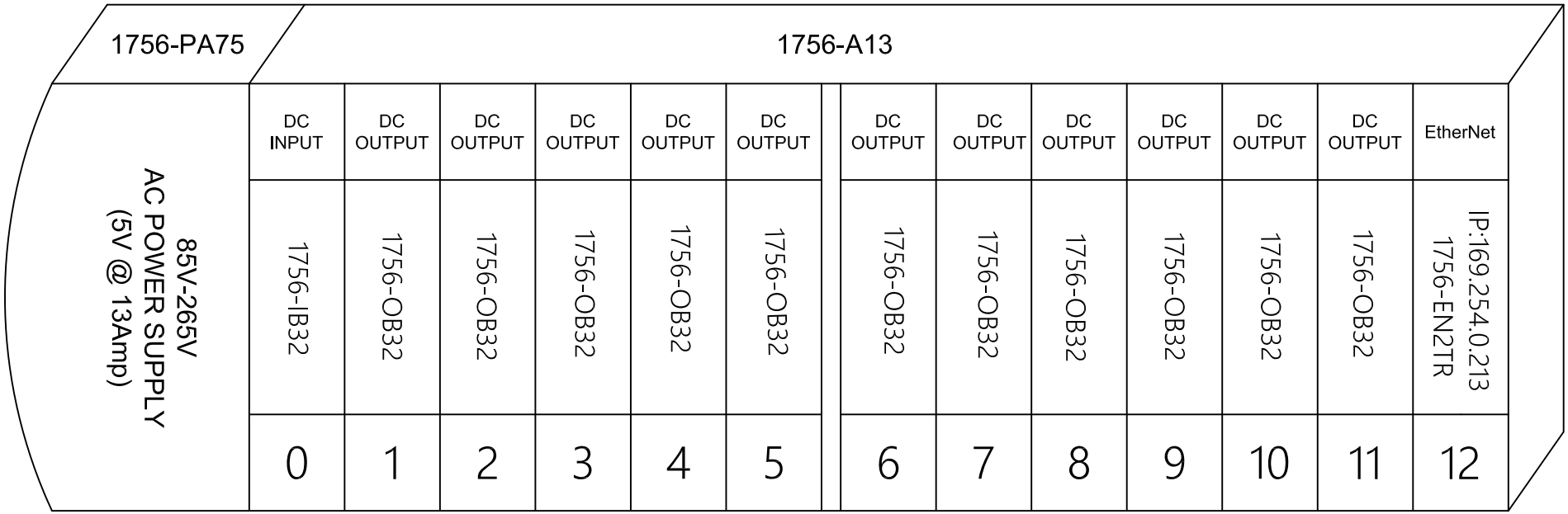
DRAWING NO.		MATERIAL	
DRAWN DATE:	10-26-2023	SCALE NONE	UNIT MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Leo Lin
CHECKED BY	Jerry Wu

Line1_F13
Allen Bradley PLC RACK 2

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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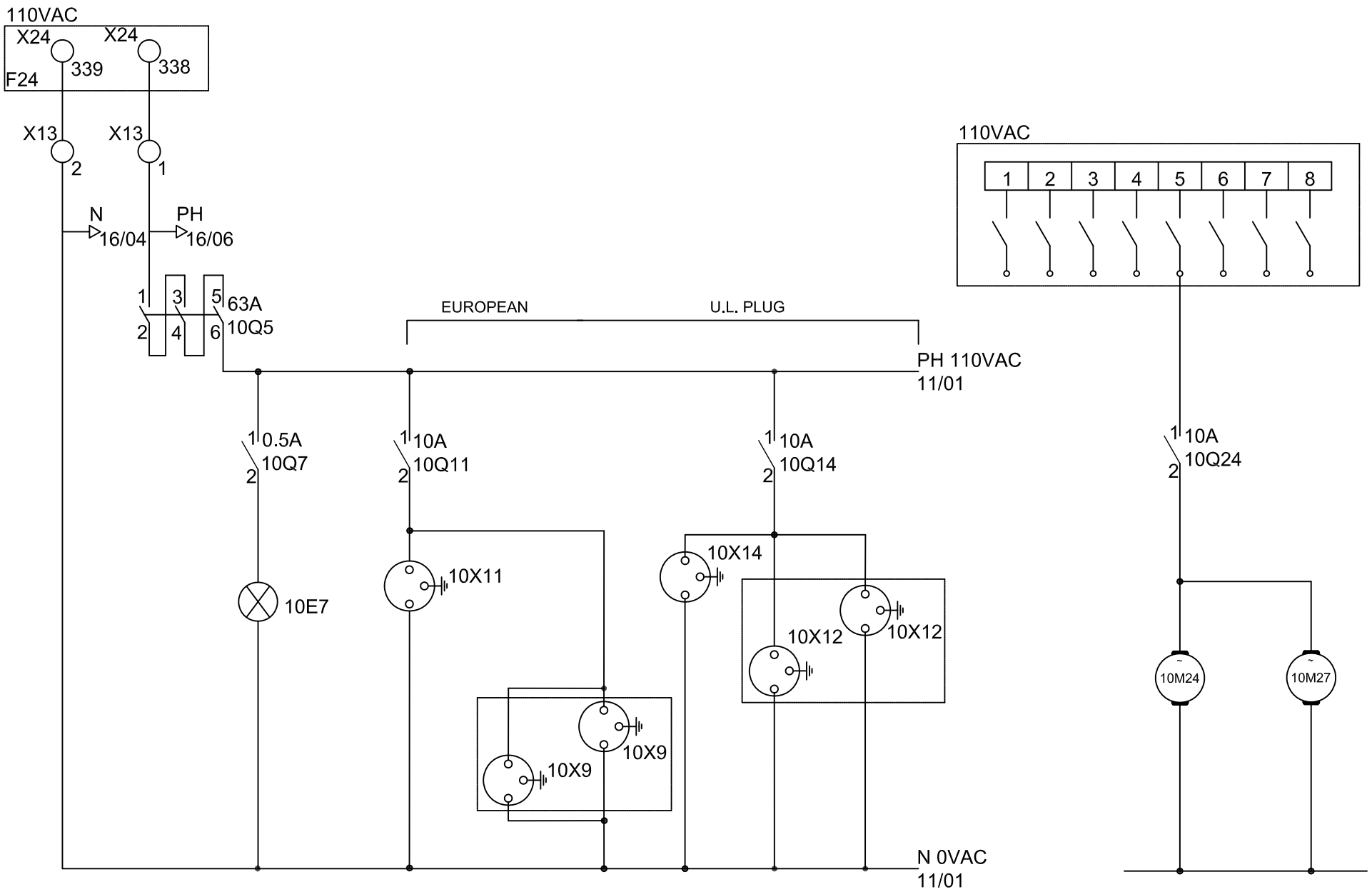
DRAWING NO.		MATERIAL	
DRAWN DATE:	10-26-2023	SCALE NONE	UNIT MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Vincent Huang

MAIN SUPPLY(FOR LINE2)

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	REDRAW	Bryan Hong	1/31/2024

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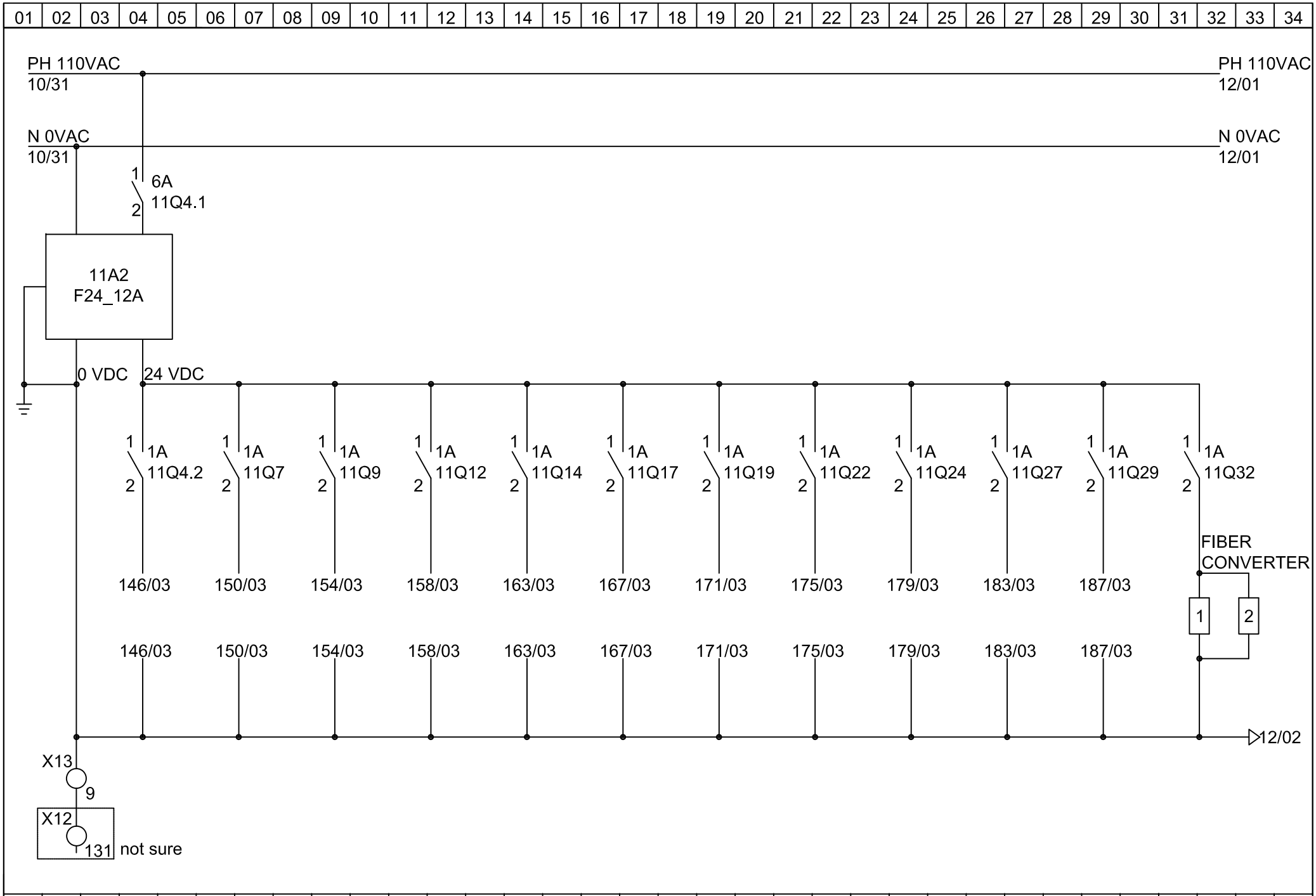
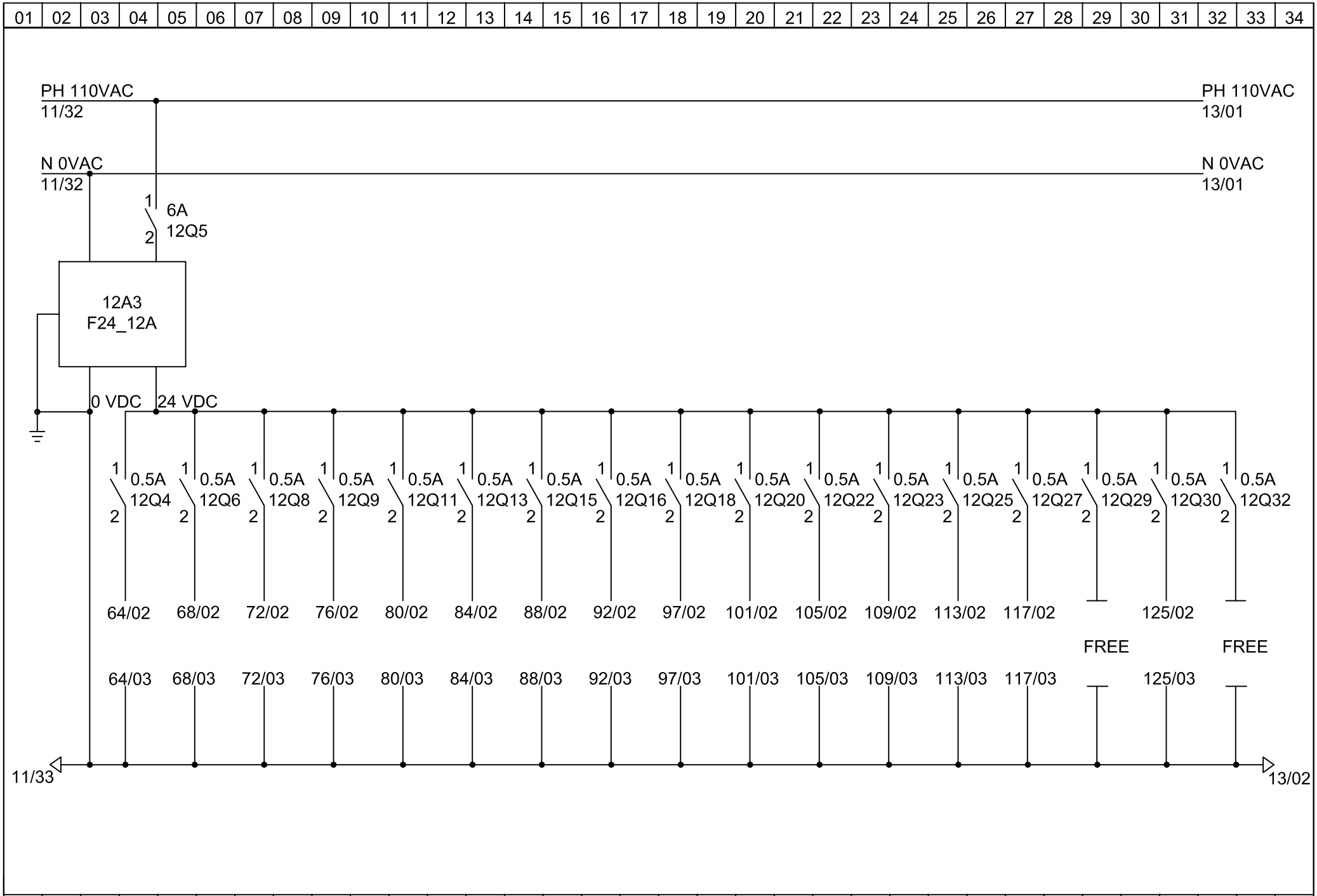
DRAWN DATE:	03-03-2014	SCALE NONE	UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	DIGITAL OUTPUT SUPPLY					DRAWING DESCRIPTION	KF F13	Page #	11		
								Total			
DRAWN BY	JEFF LEE	1	DOUBLE CHECK	Bryan Hong	9/18/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		DIGITAL INPUT SUPPLY					DRAWING DESCRIPTION	KF F13	Page #	12			
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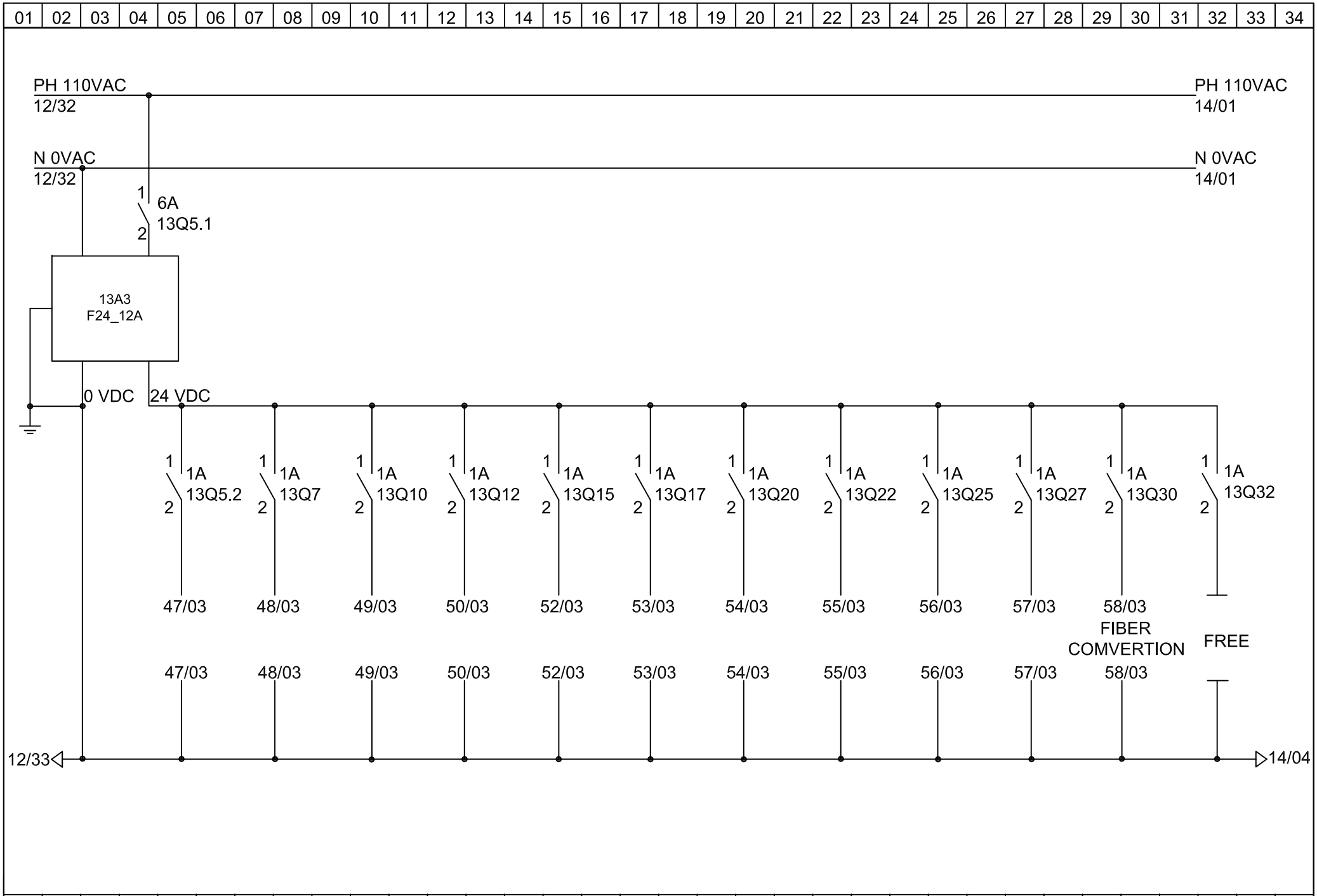

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

ANALOG OUTPUT SUPPLY

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
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1	DOUBLE CHECK	Bryan Hong	9/18/2023

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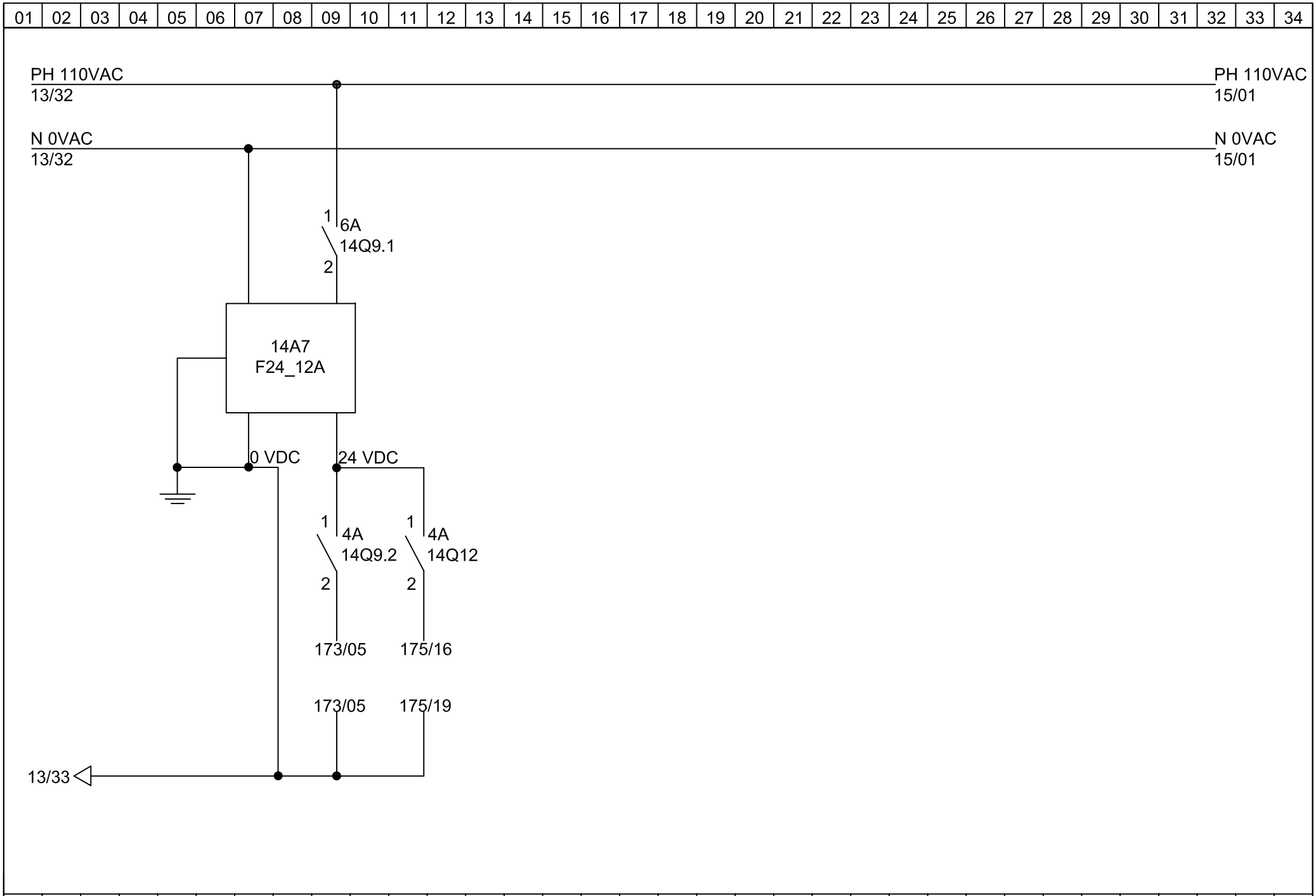
		UNIT	MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

LIGHT SUPPLY

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	DOUBLE CHECK	Bryan Hong	9/18/2023

DRAWING DESCRIPTION	KF F13	Page #	14
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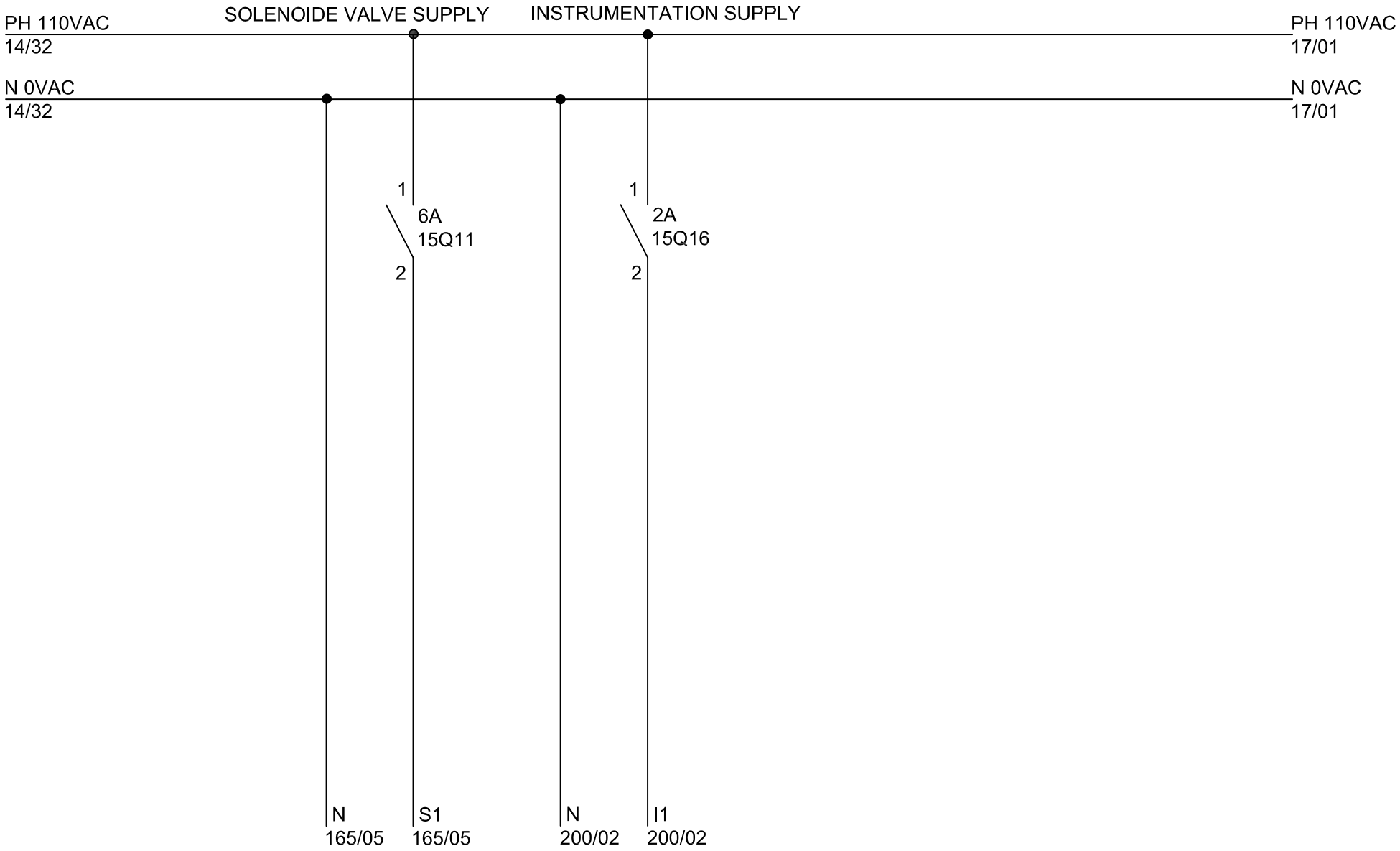
DRAWN DATE:	03-03-2014	SCALE NONE	UNIT MM



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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	SUPPLY(FOR SOLENOIDE & INSTRUMENT)					DRAWING DESCRIPTION	KF F13	Page #	15				
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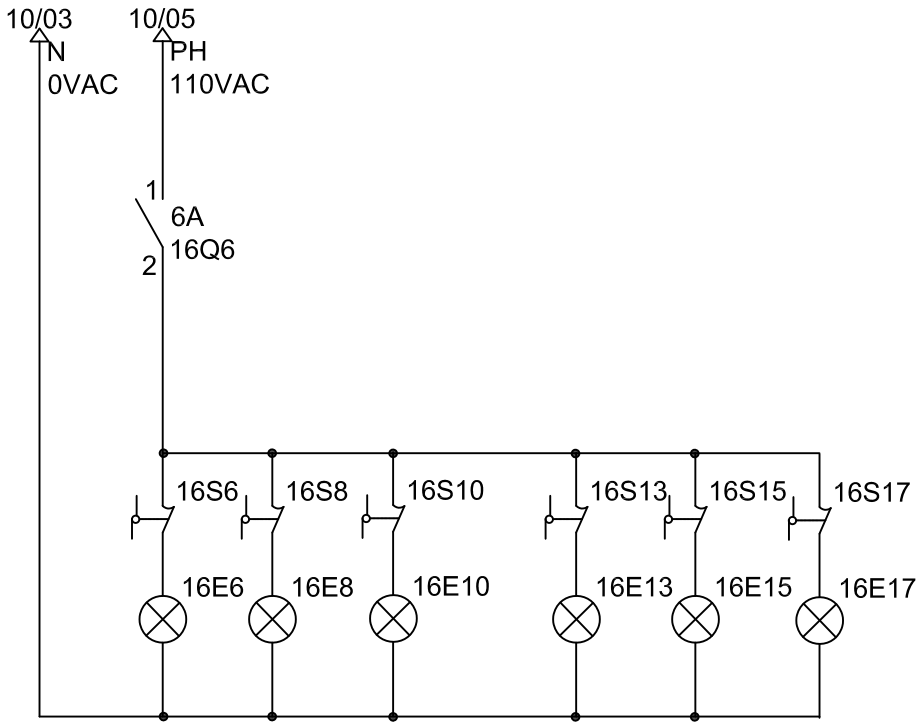

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		LIGHTING BOARD						DRAWING DESCRIPTION	KF F13	Page #	16		
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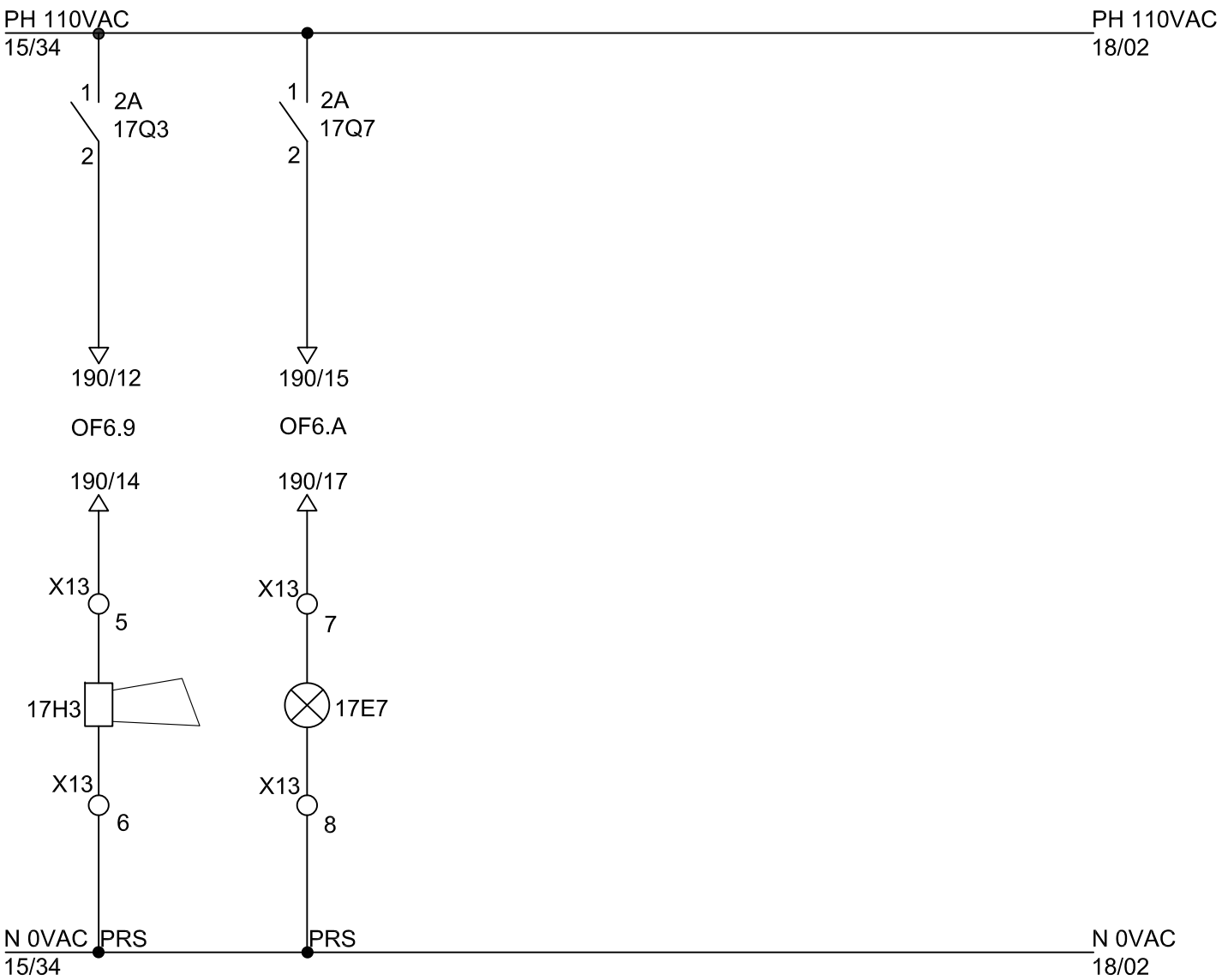

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		KLAXON-ROTATING LIGHT					DRAWING DESCRIPTION	KF F13	Page #	17			
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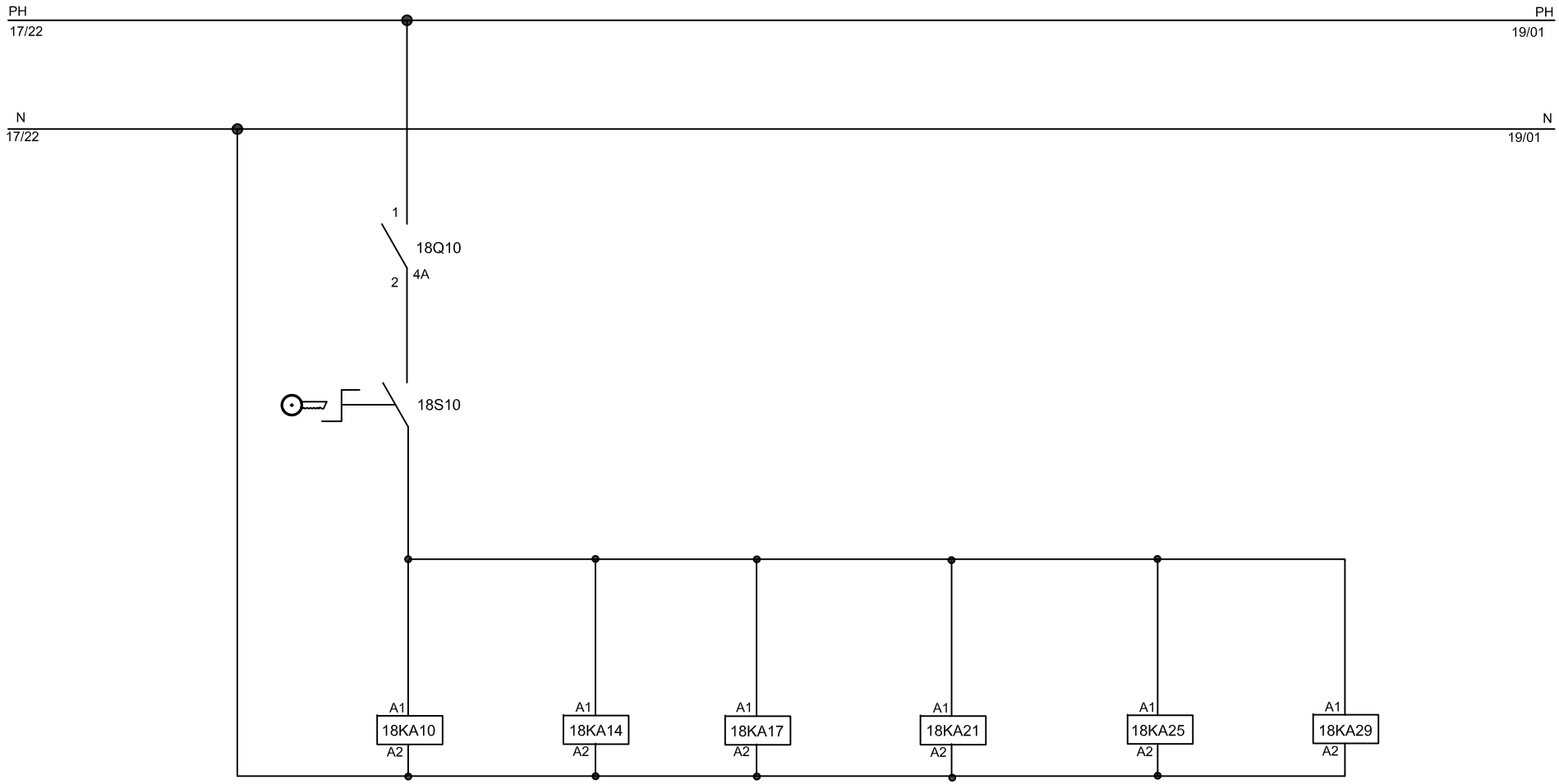

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INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	DOOR LOCKED					DRAWING DESCRIPTION	KF F13	Page #	18				
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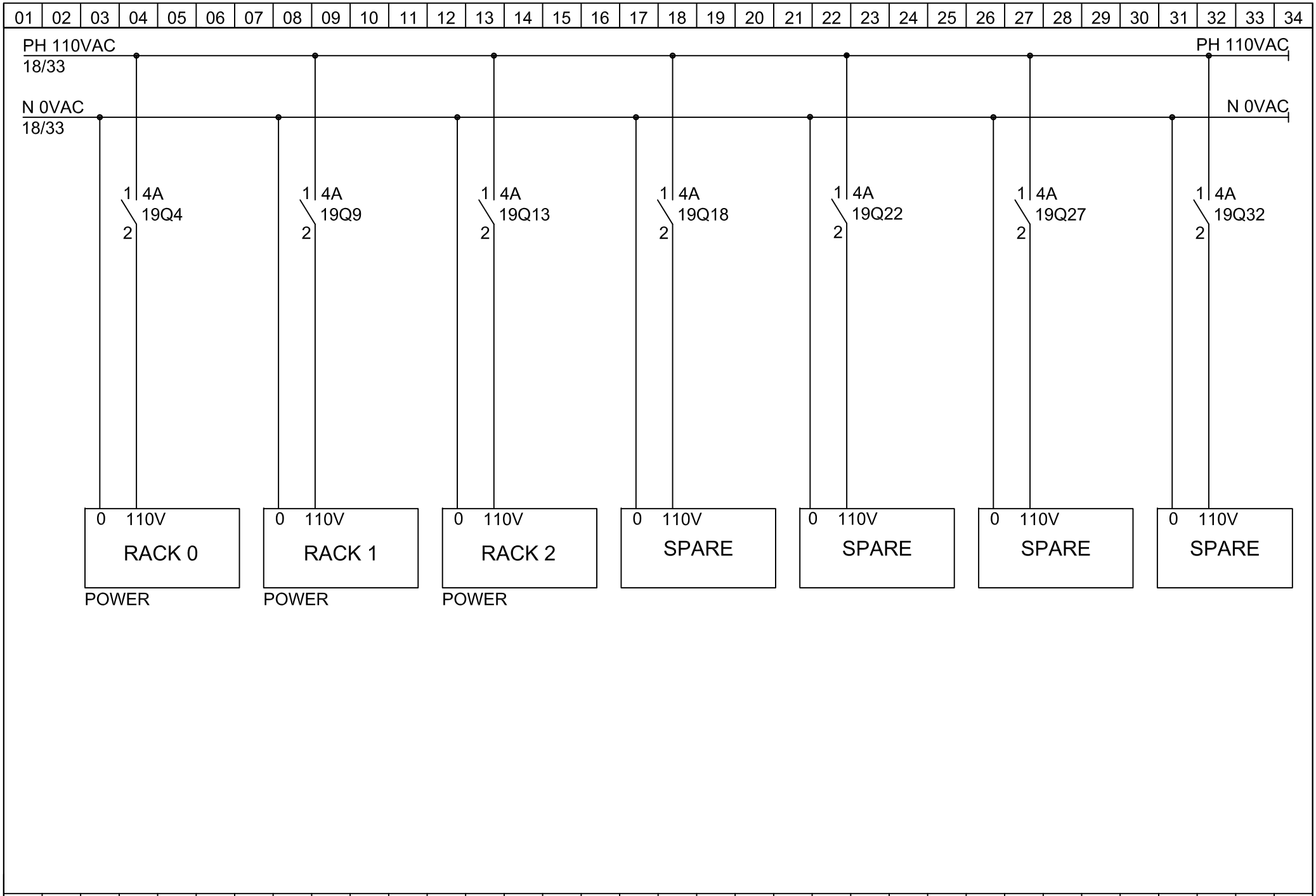

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. SUPPLY					DRAWING DESCRIPTION	KF F13	Page #	19				
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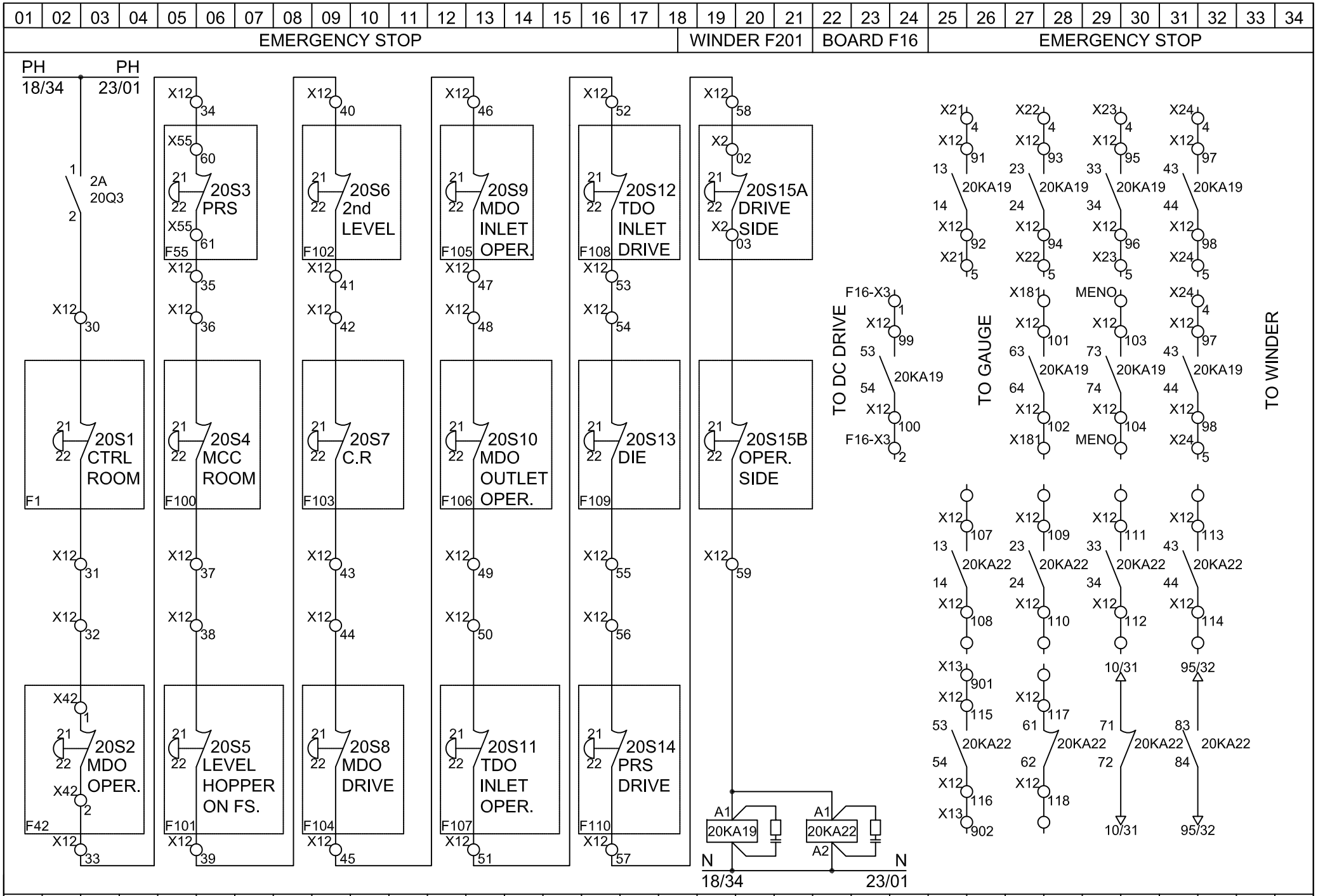

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DRAWN BY	Bryan Hong	DRAWING NO.	
CHECKED BY	?	DRAWN DATE:	02/12/2024

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

Page #	20		
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MATERIAL			
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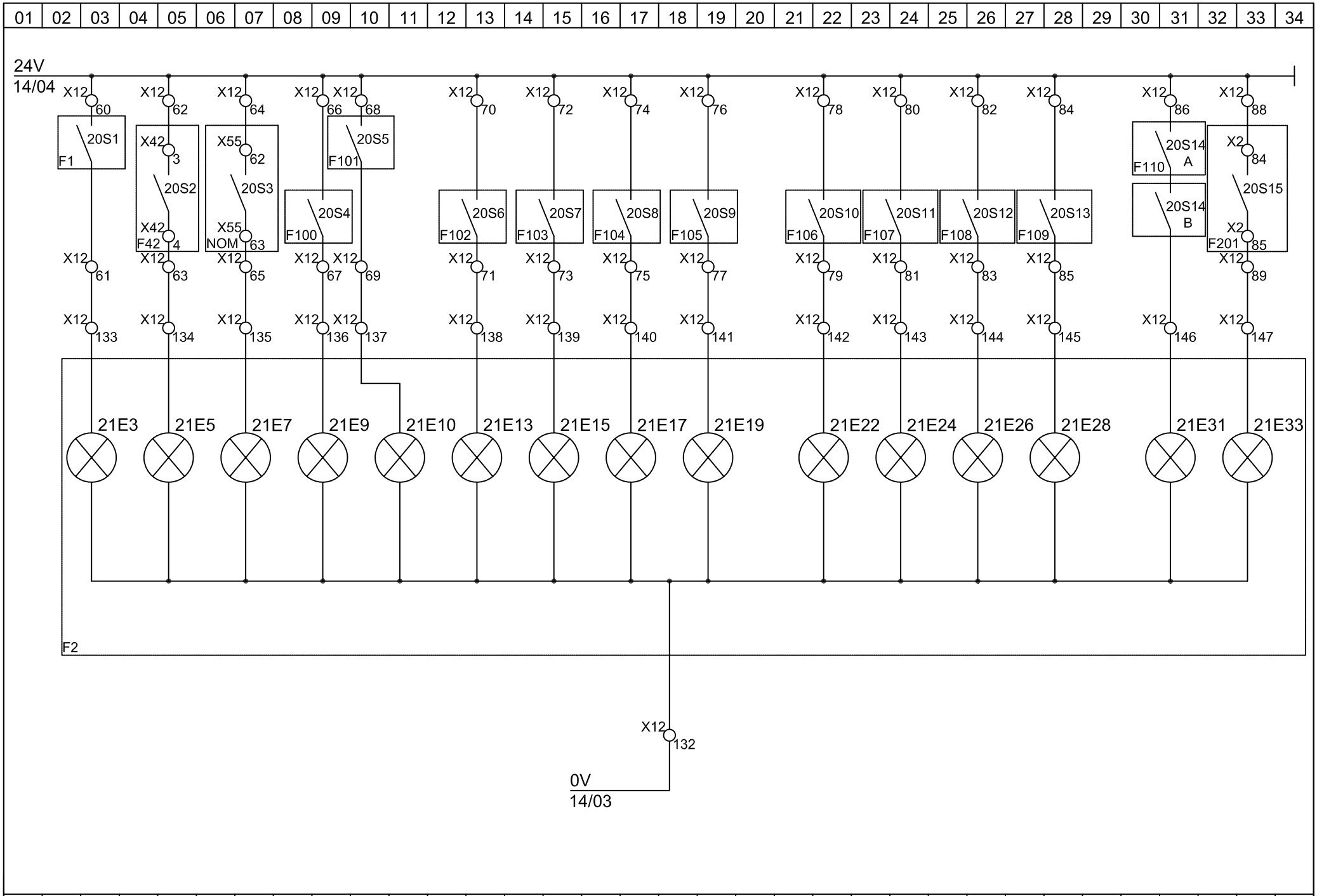

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	?

EMERGENCY STOP SIGNALISATION

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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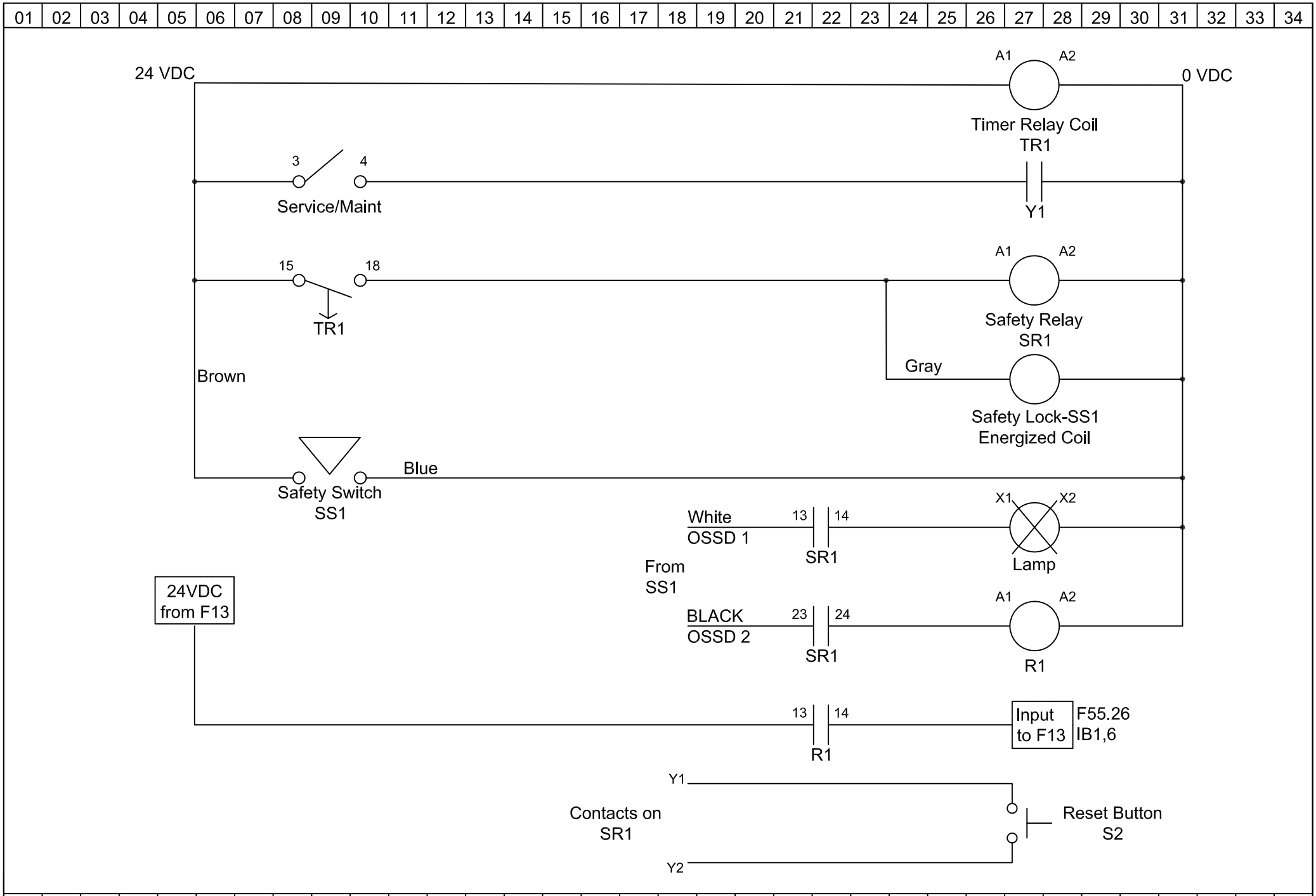

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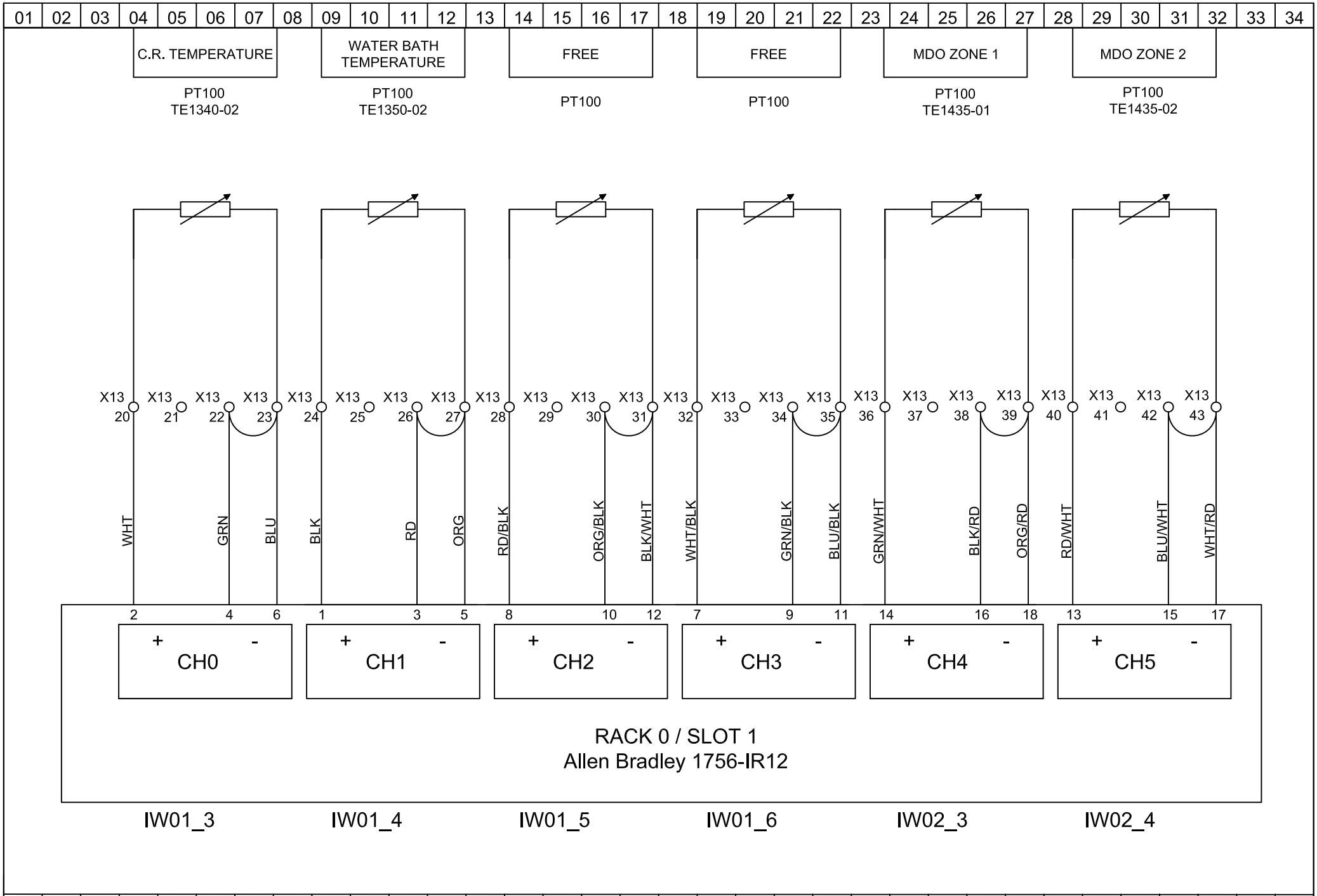

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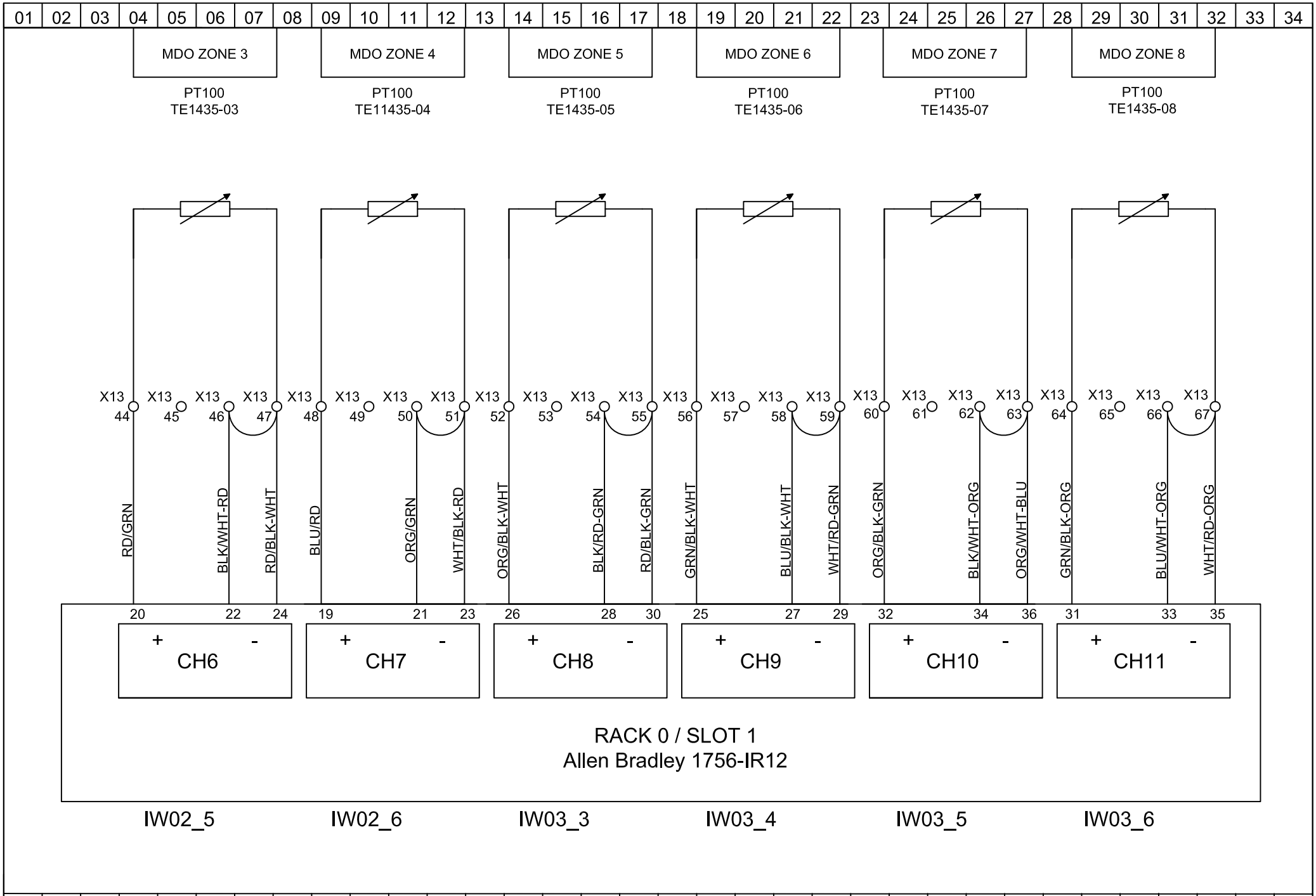

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG INPUT PT100					DRAWING DESCRIP.	KF F13	Page #	33-34				
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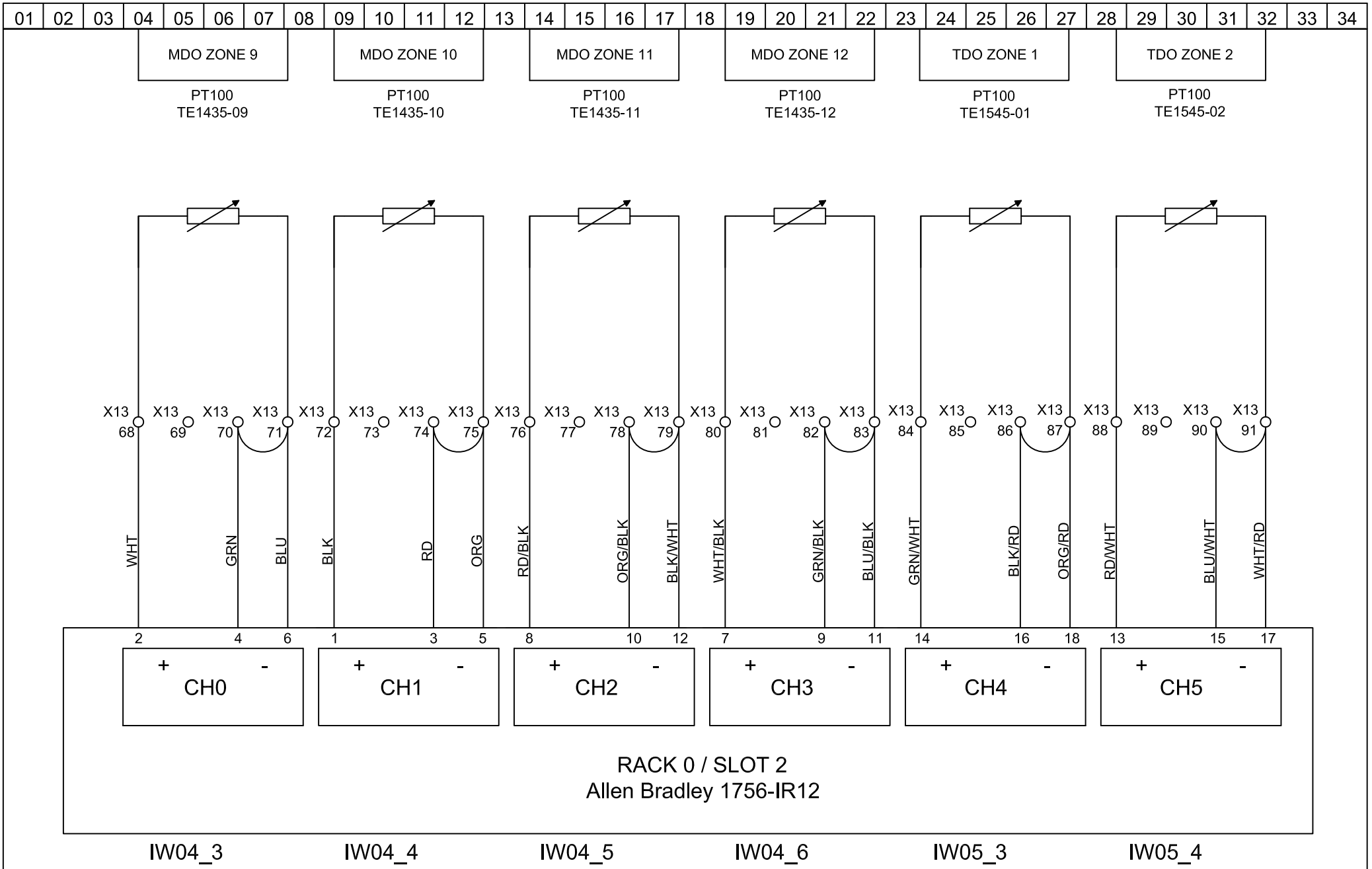
CHECKED BY	Jerry Wu	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10-23-2023	SCALE	NONE	UNIT	MM		



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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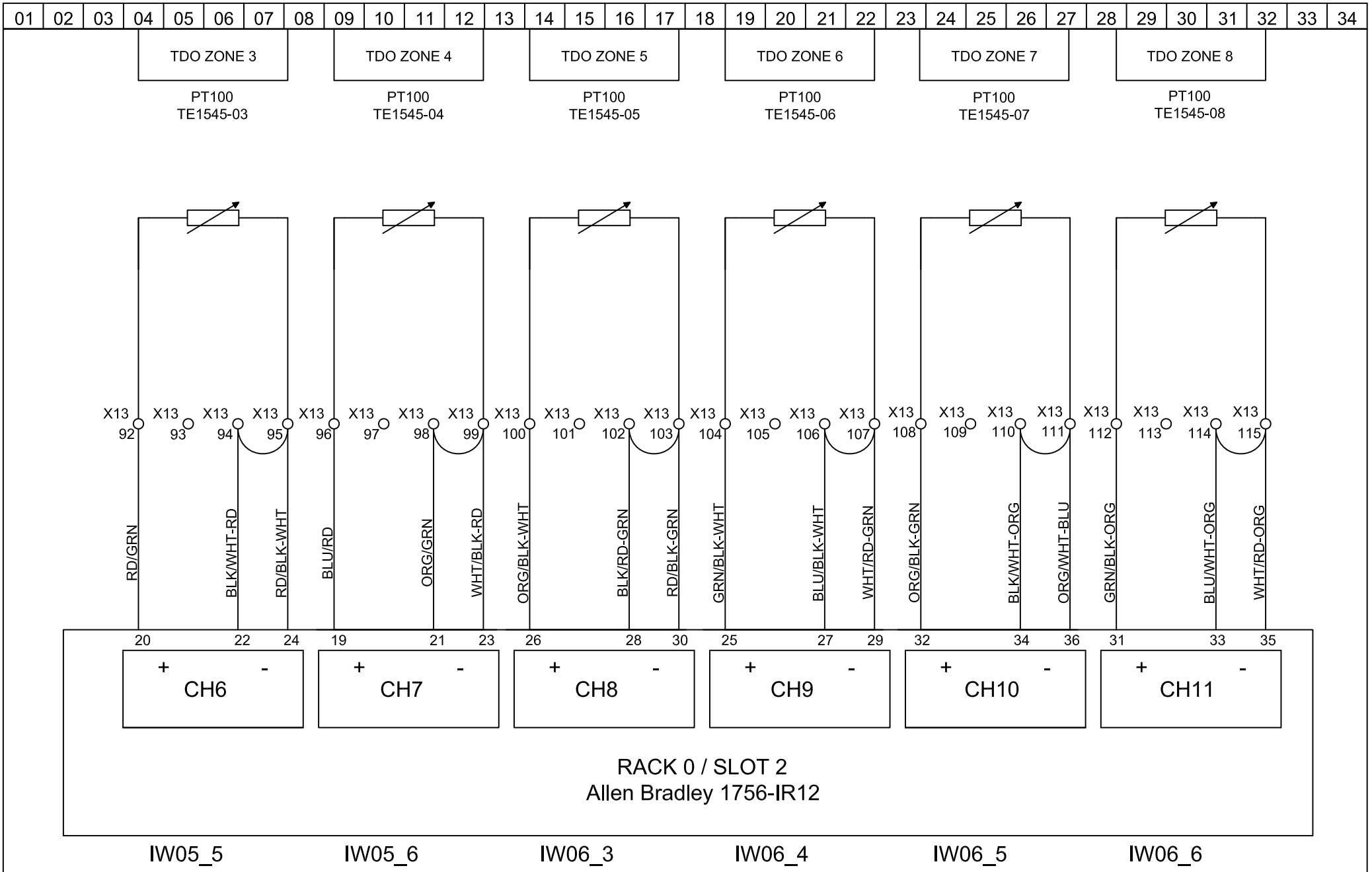

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION	KF F13	Page #	36-37
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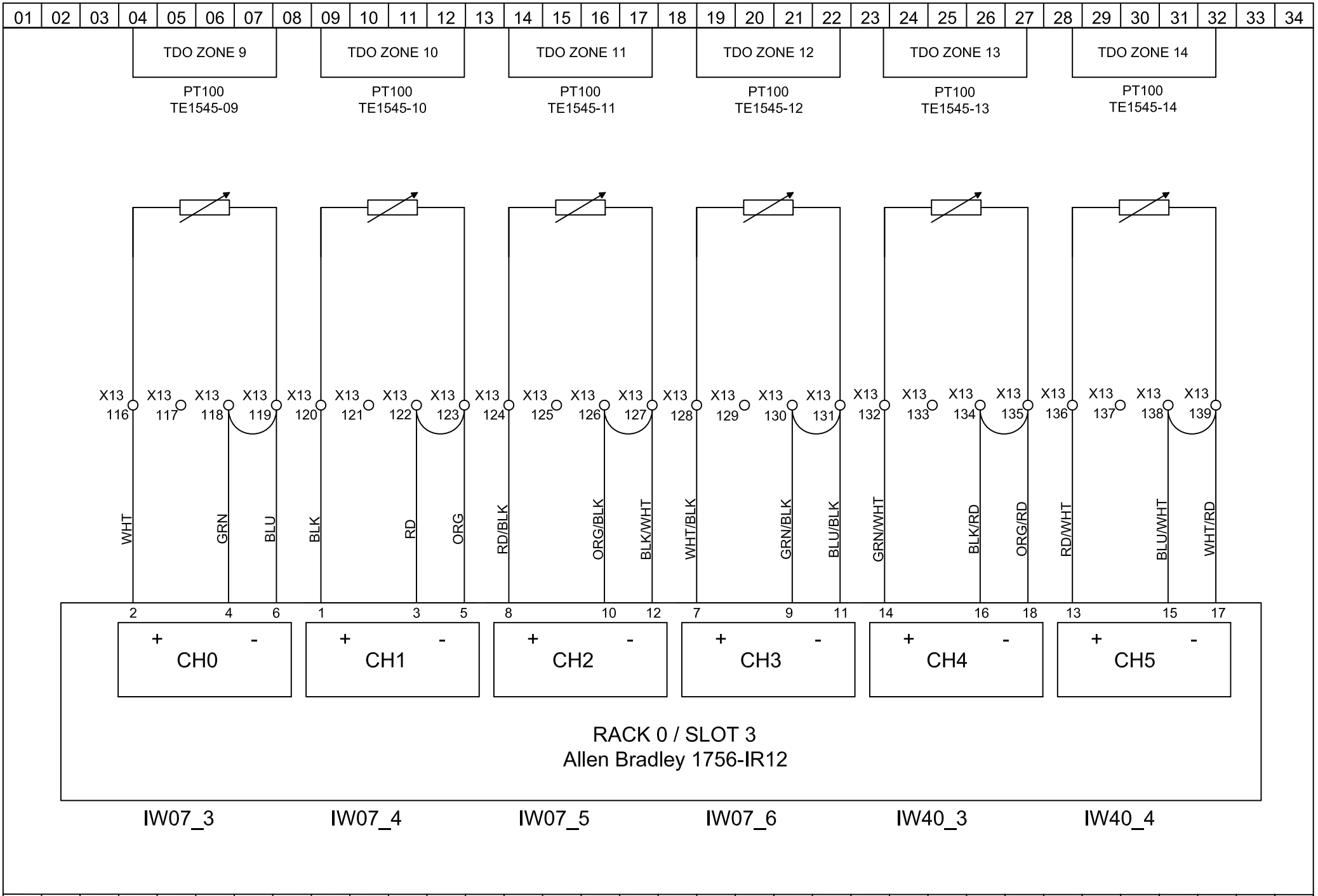

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	Bryan Hong
CHECKED BY	Jerry Wu

P.L.C. ANALOG INPUT
PT100

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

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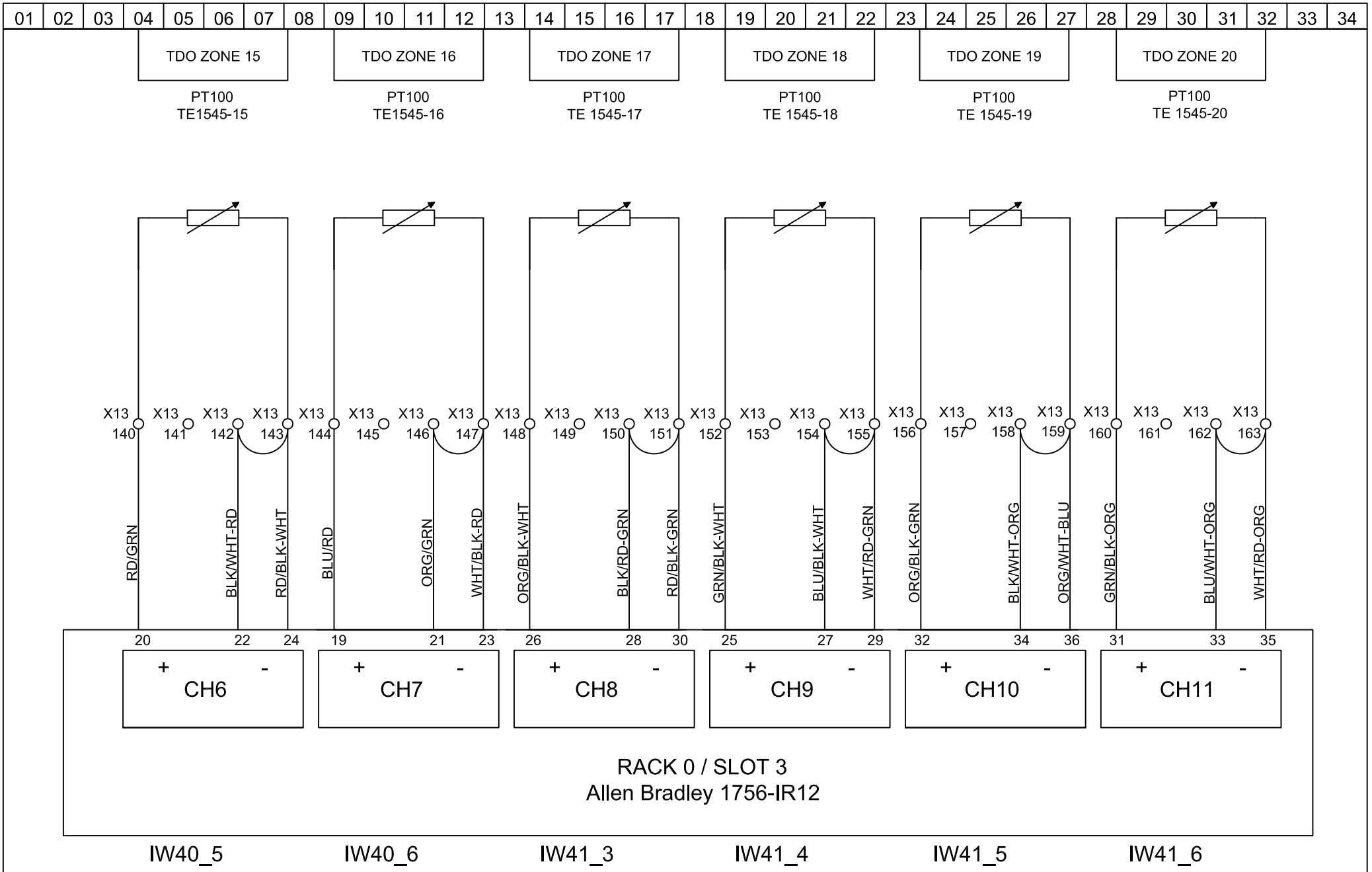

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG INPUT PT100					DRAWING DESCRIPTION	KF F13	Page #	41-42				
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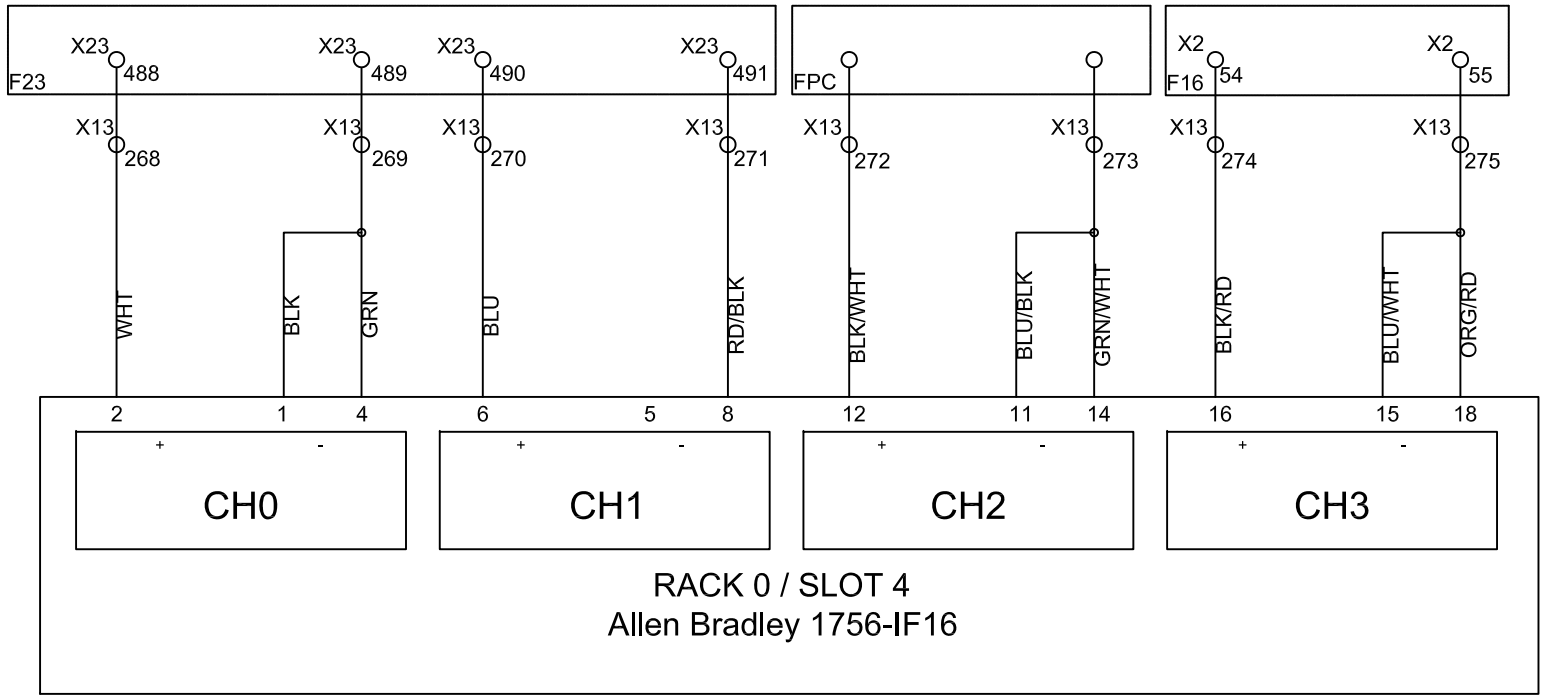
DRAWN BY	Bryan Hong					DRAWING NO.		MATERIAL					
CHECKED BY	Jerry Wu	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	10-23-2023	SCALE	NONE	UNIT	MM		



IW43_3_0
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(0-1440)

IW43_4_0
0-10V
(0-1440)

IW43_5_0
4-20mA
(0-1040)

IW43_6_0
4-20mA
(0-1146)

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	8 P.L.C. ANALOG INPUT			DRAWING DESCRIPTION	KF F13	Page #	43		
		2	UPGRADE TO AB	Bryan Hong	11/13/2023		Total		
DRAWN BY	JEFF LEE	1		EDWIN LEE	11/26/2019	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

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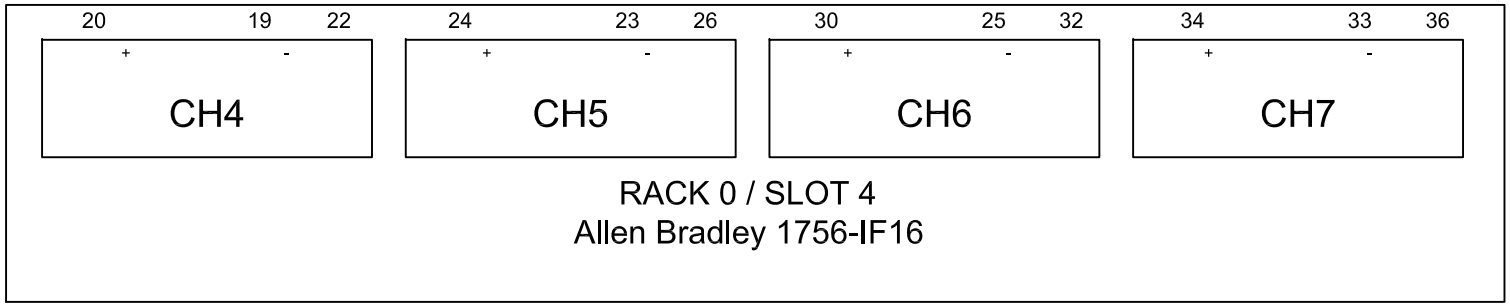

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(0-1440)

IW43_4_1
4-20mA
(0-1440)

IW43_5_1
4-20mA
(0-1040)

IW43_6_1
4-20mA
(0-1146)

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

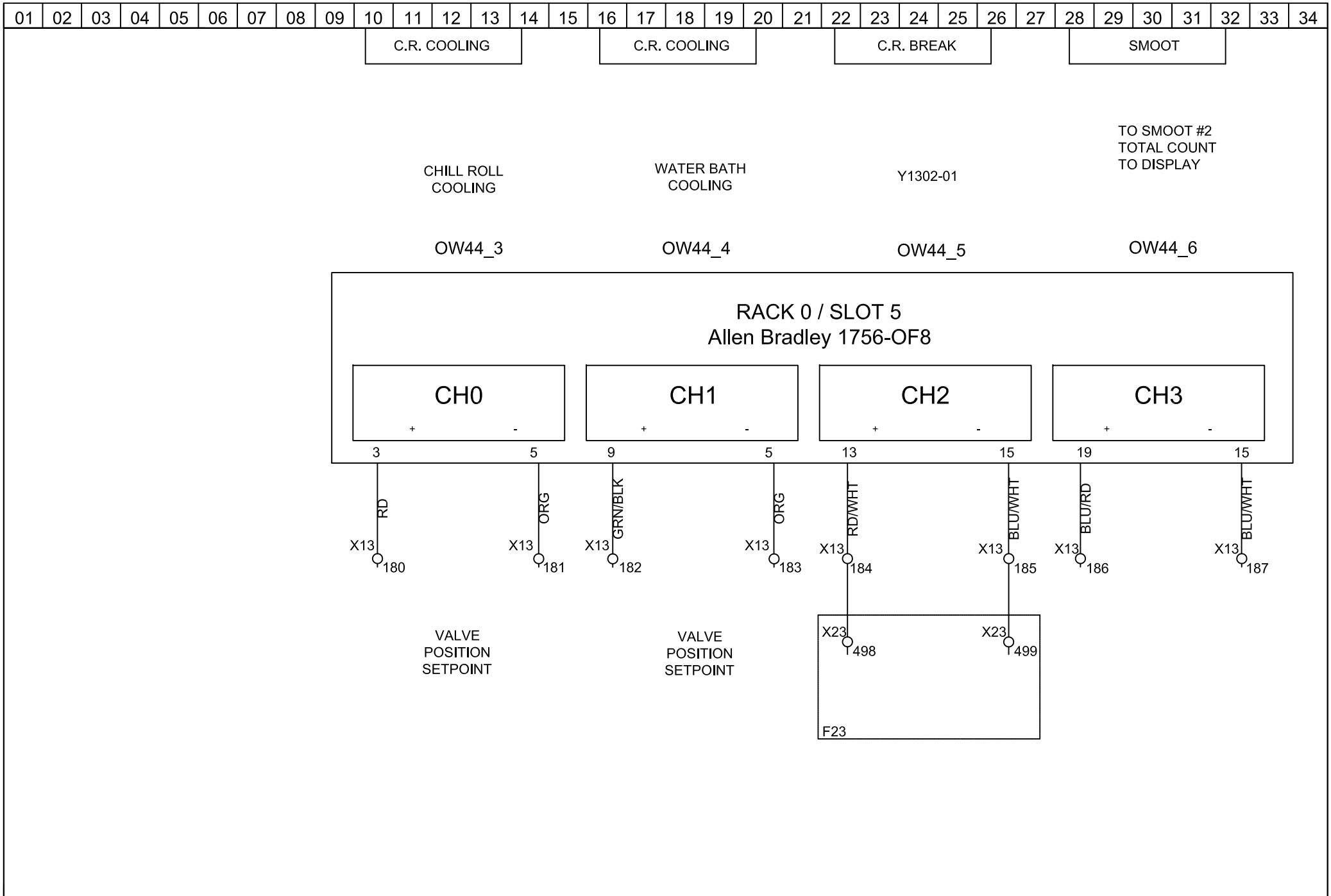
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

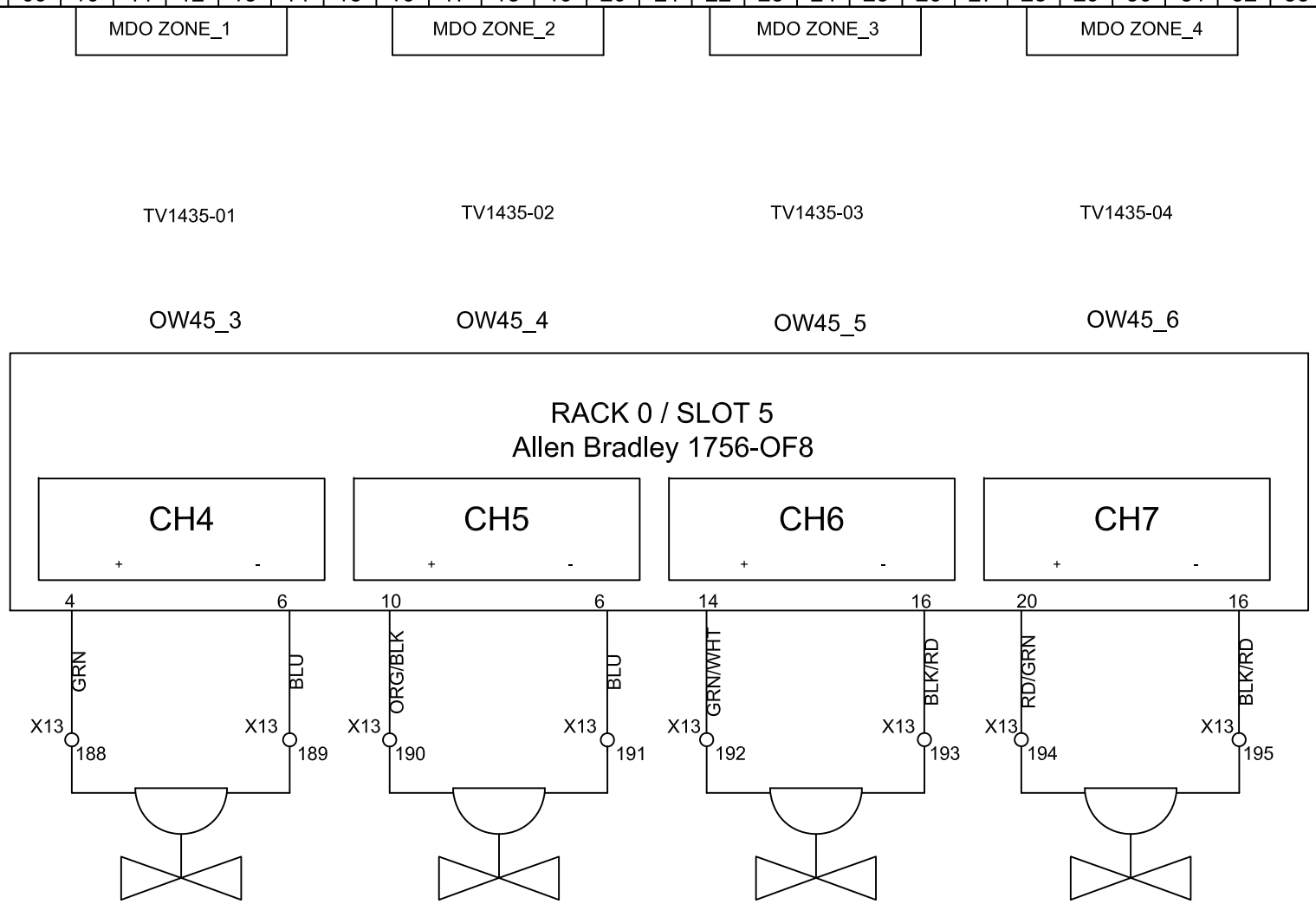
8 P.L.C. ANALOG INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
3	LINE1 F13 UPGRADE	Leo Lin	01/23/2025
2	UPGRADE TO AB	Bryan Hong	11/13/2023
1		EDWIN LEE	11/26/2019

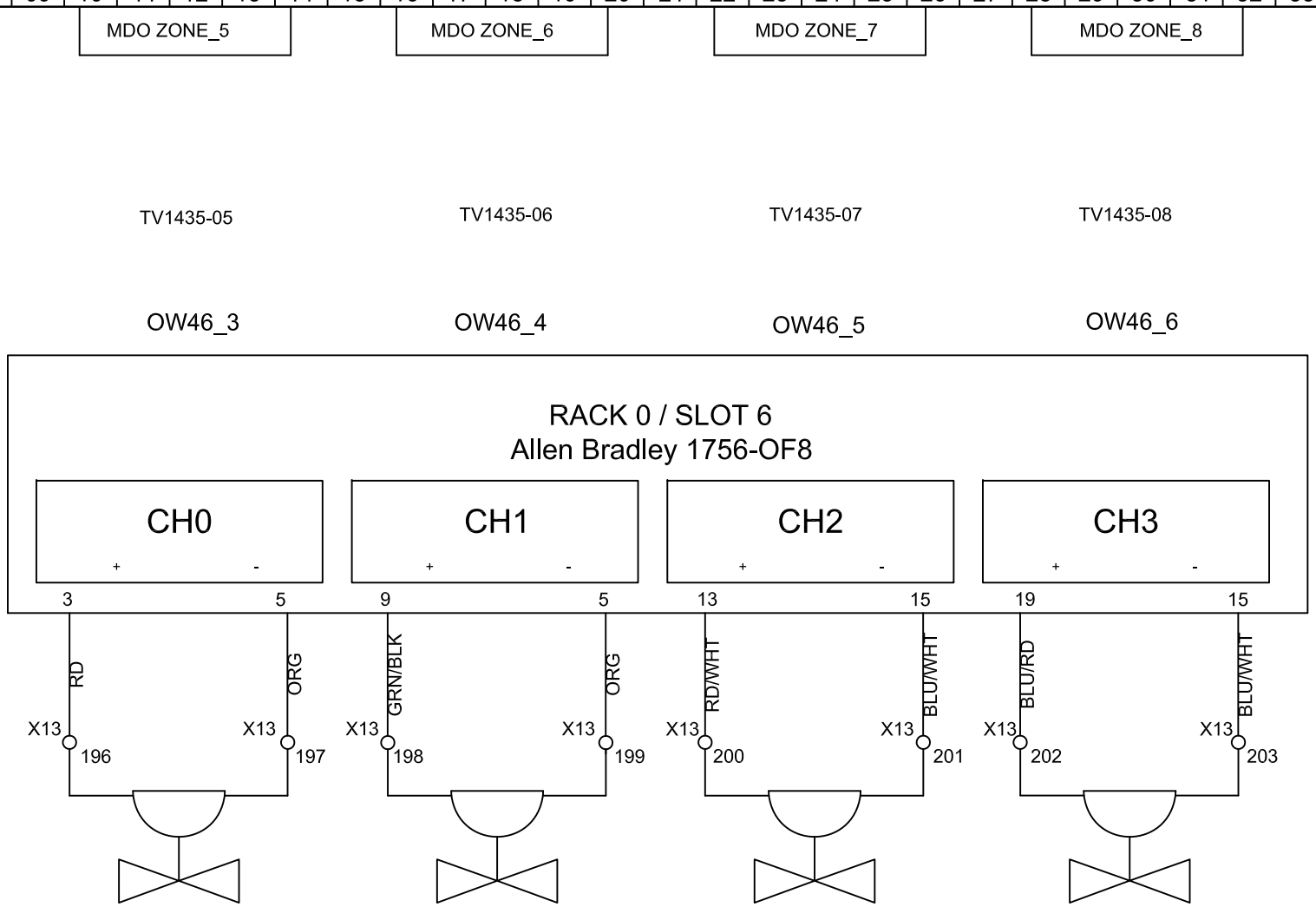
DRAWING DESCRIPTION	KF F13	Page #	44
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



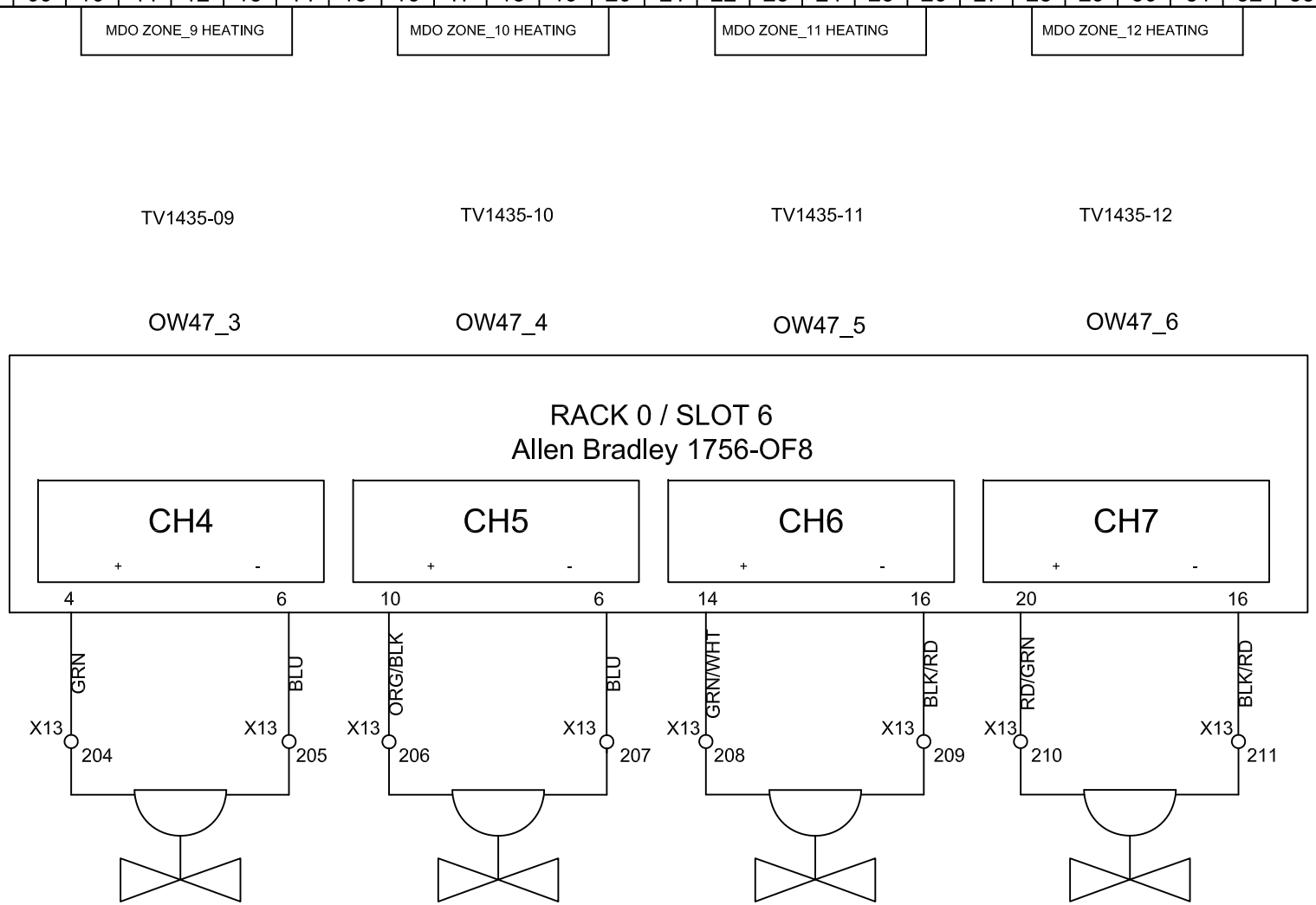
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	47				
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025			Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	48		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	4 P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	49		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	50		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/13/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

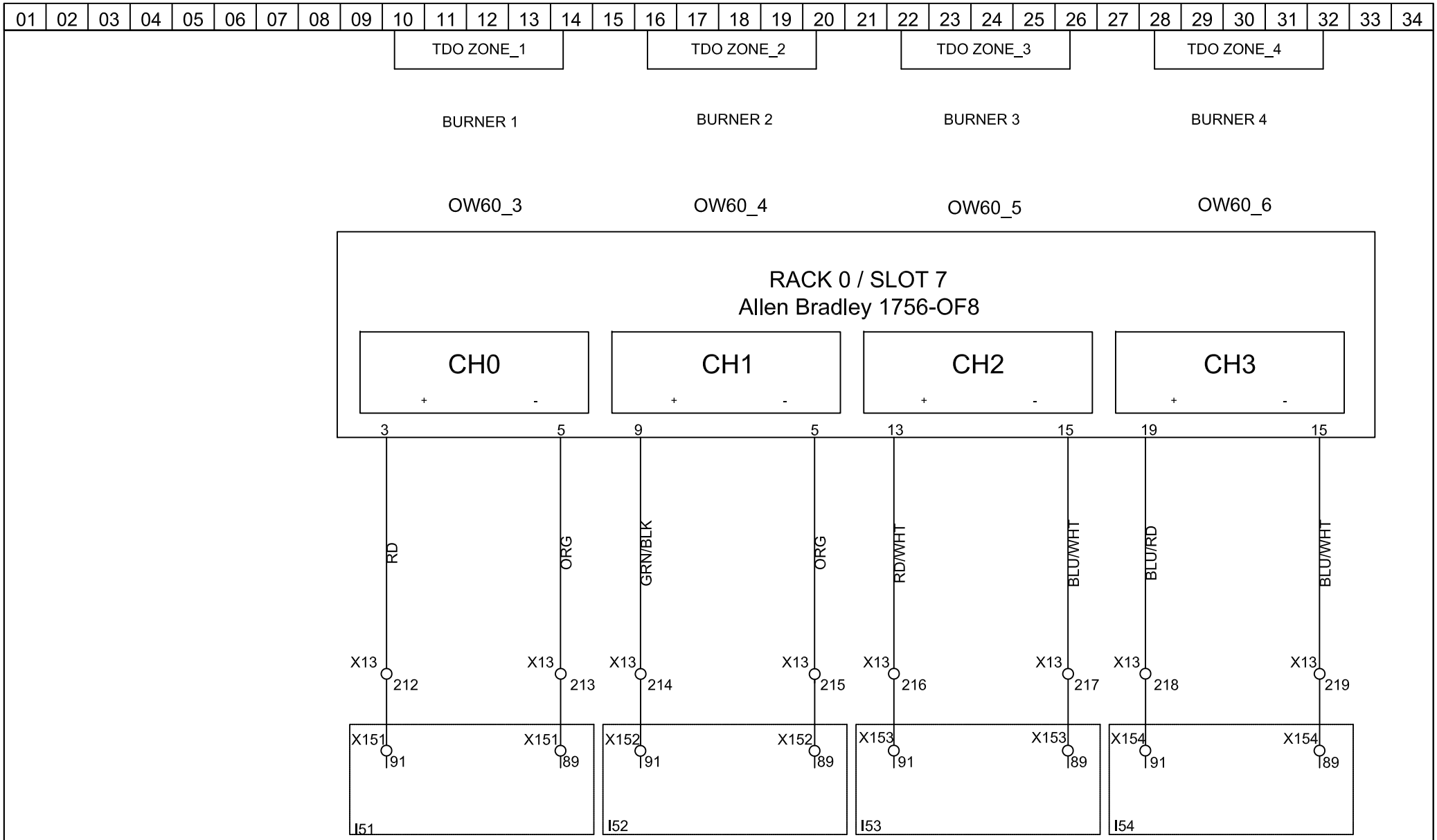
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

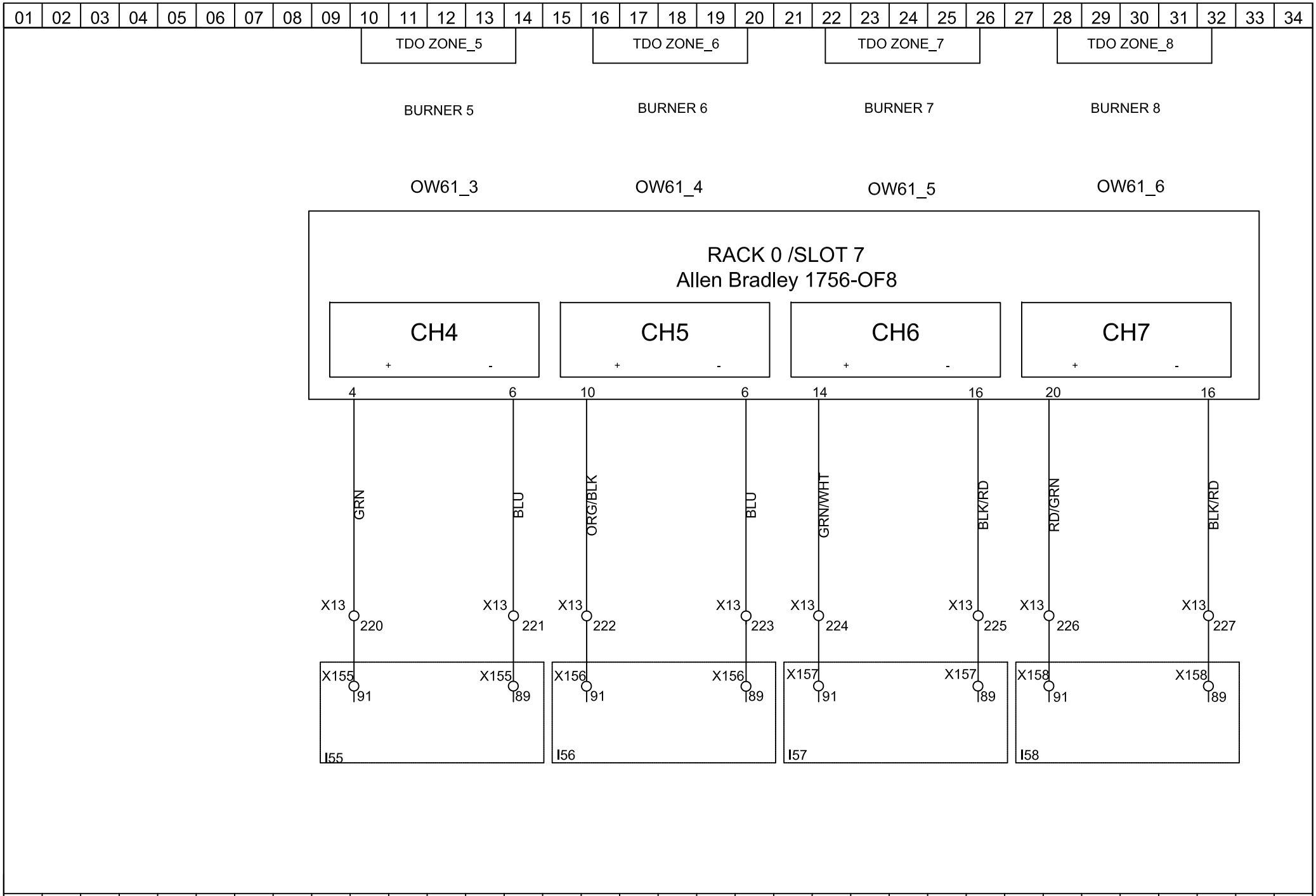
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

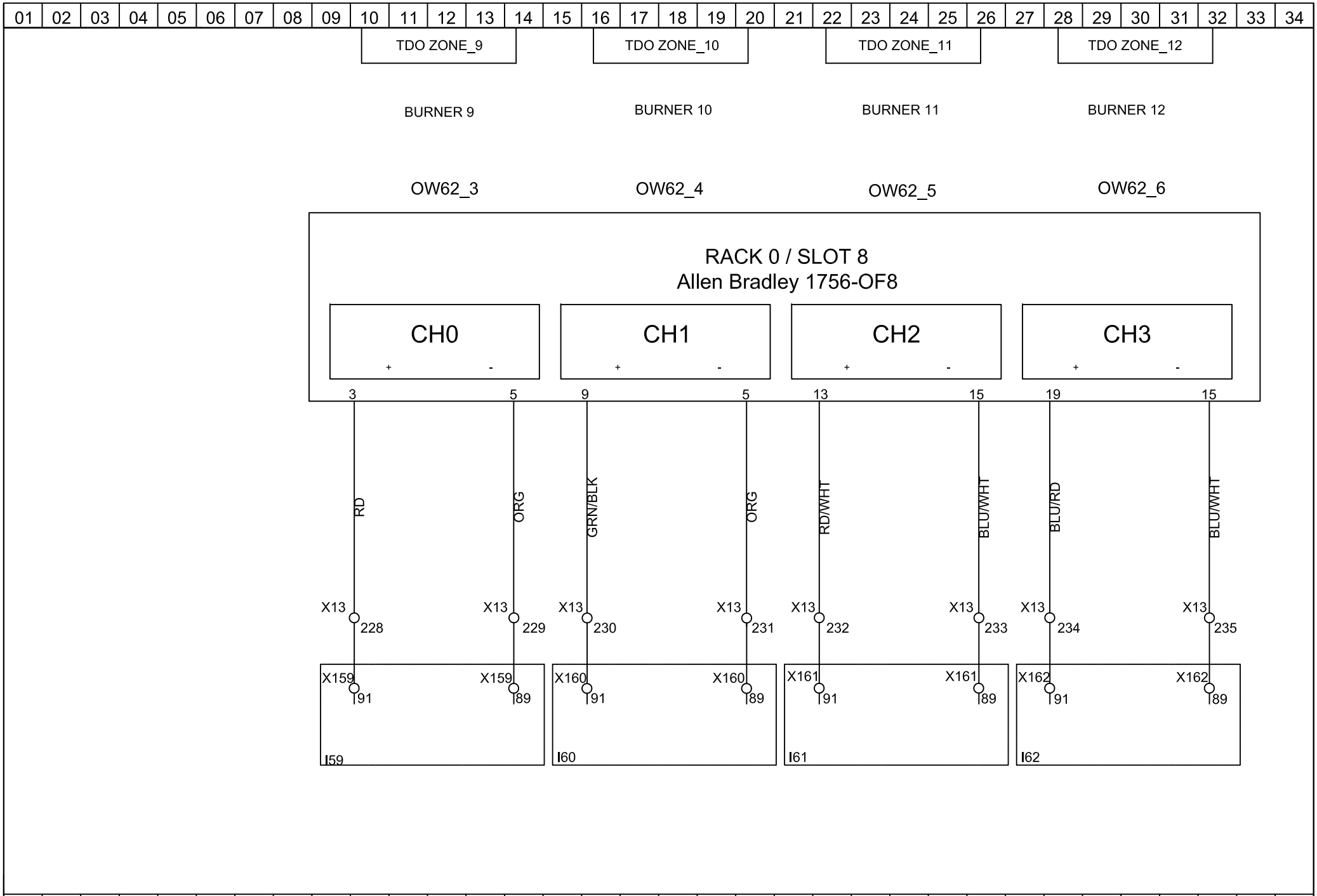
DRAWING DESCRIPTION		Page #	51
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



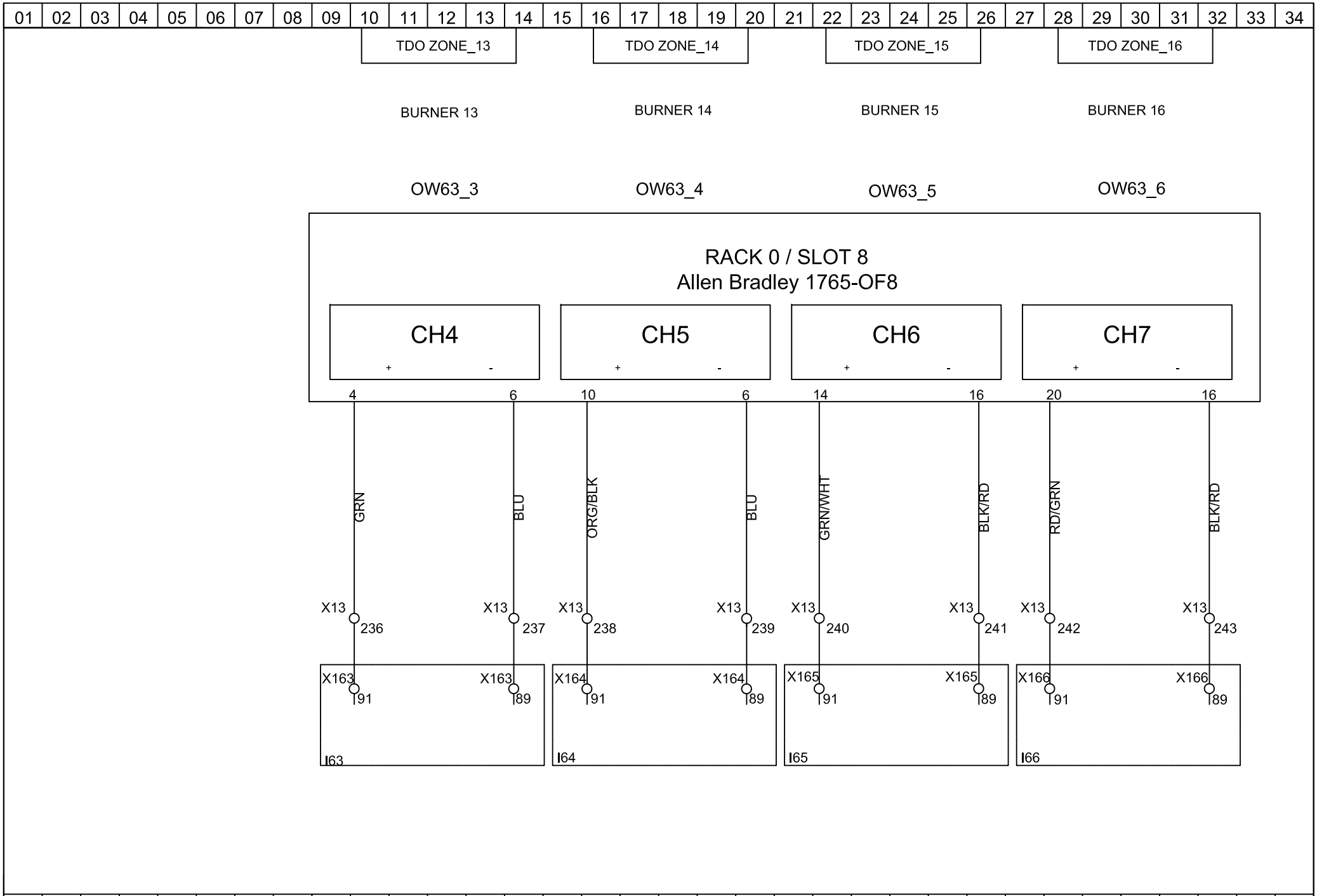
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	52		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



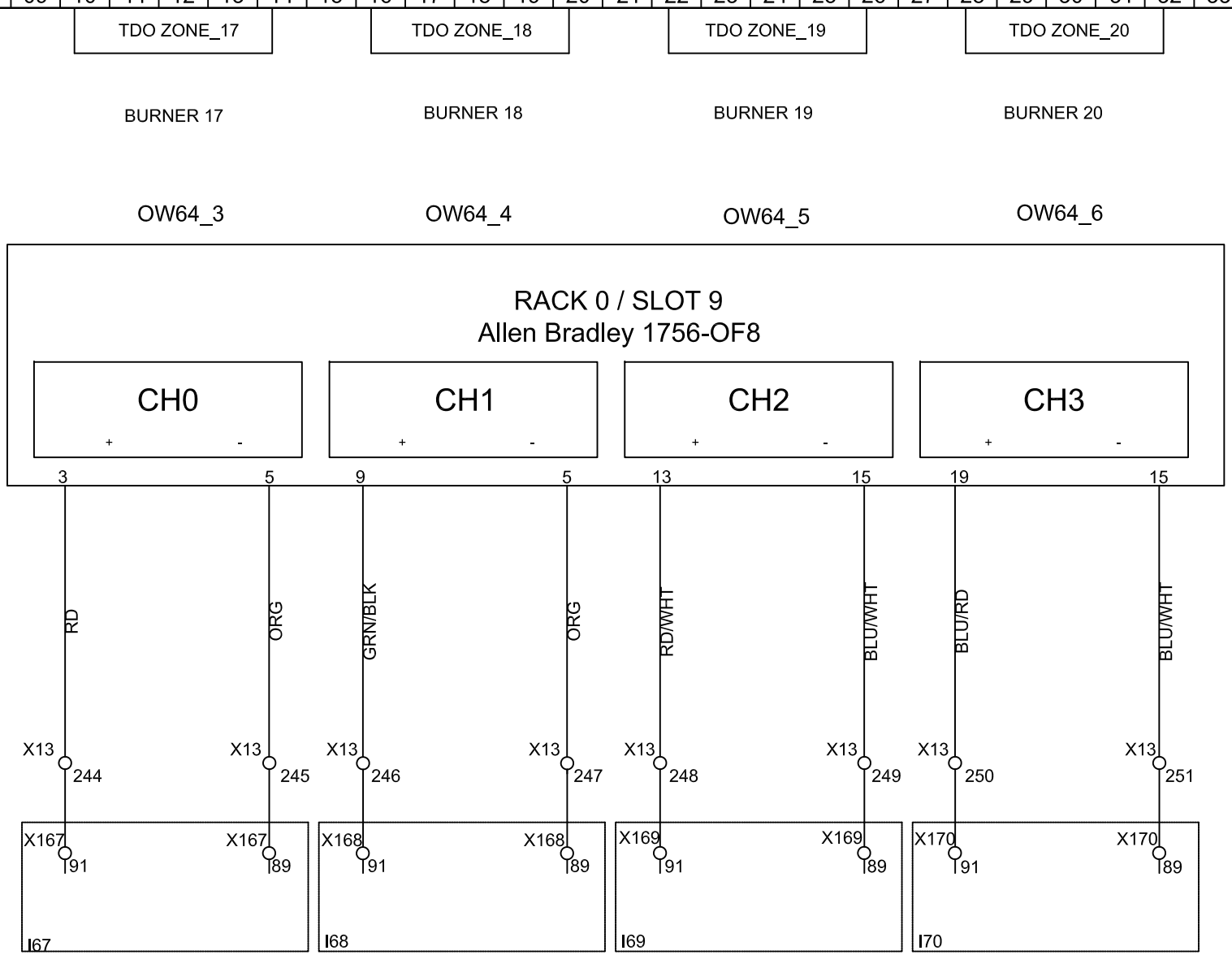
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	53		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



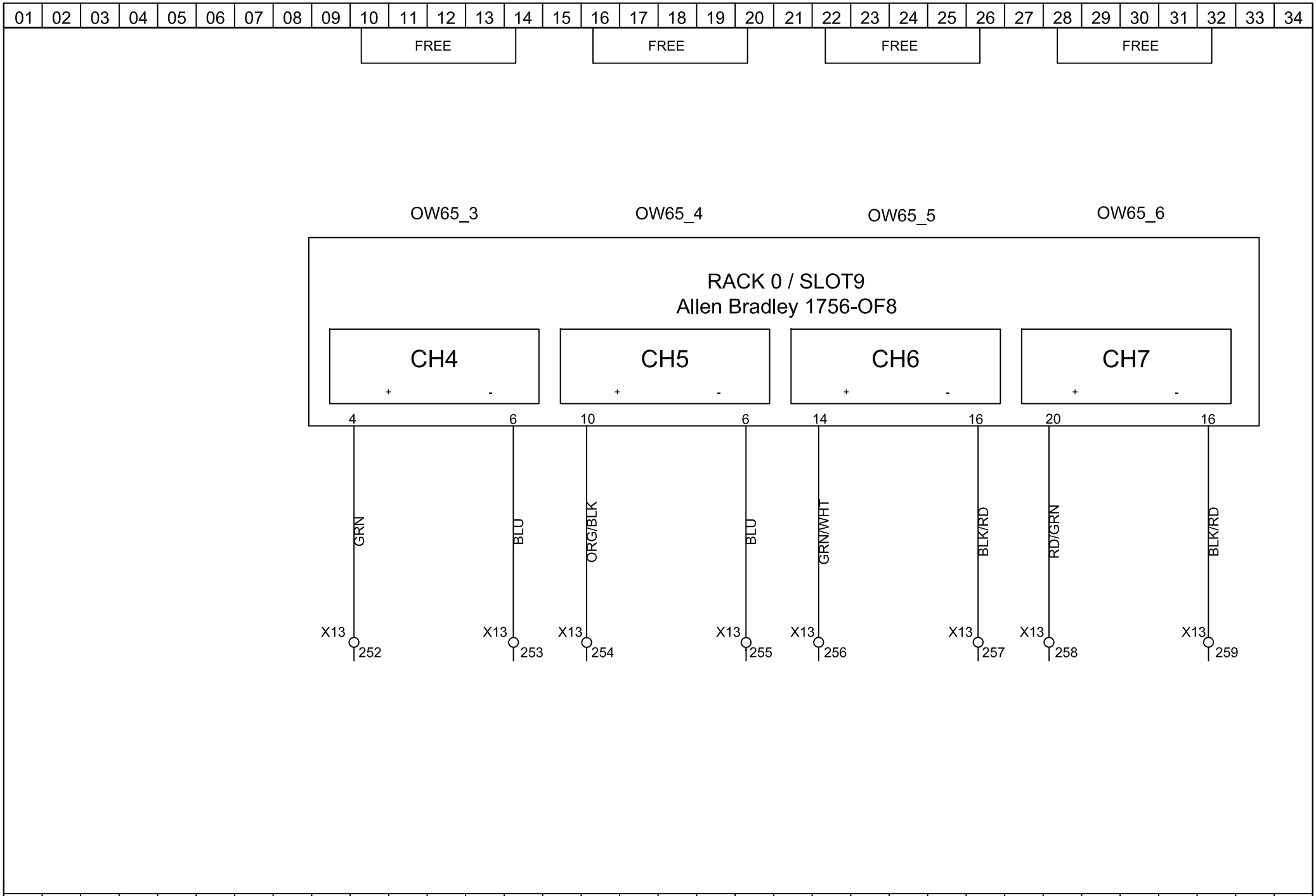
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	54		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



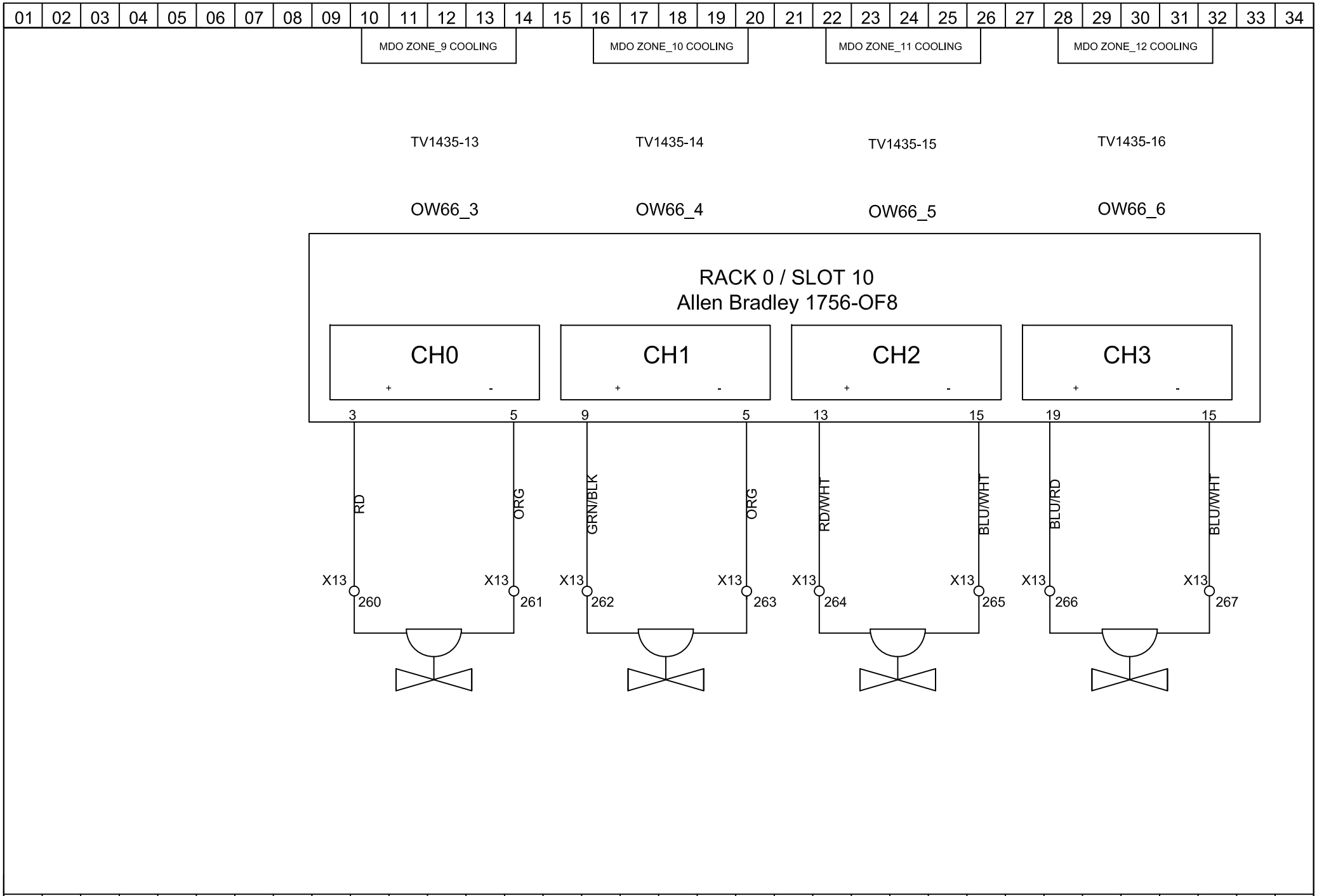
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	55		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	56		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	57		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	P.L.C. ANALOG OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	58		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/14/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWING NO.	03-03-2014	SCALE	NONE	UNIT	MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

FREE | FREE | FREE | FREE

OW67_3 OW67_4 OW67_5 OW67_6

RACK 0 / SLOT 10
Allen Bradley 1756-OF8

CH4	CH5	CH6	CH7
+ -	+ -	+ -	+ -
4 6	10 6	14 16	20 16

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

P.L.C. ANALOG OUTPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/14/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.
DRAWING NO. 03-03-2014
Page # 59
Total
MATERIAL
SCALE NONE
UNIT MM

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

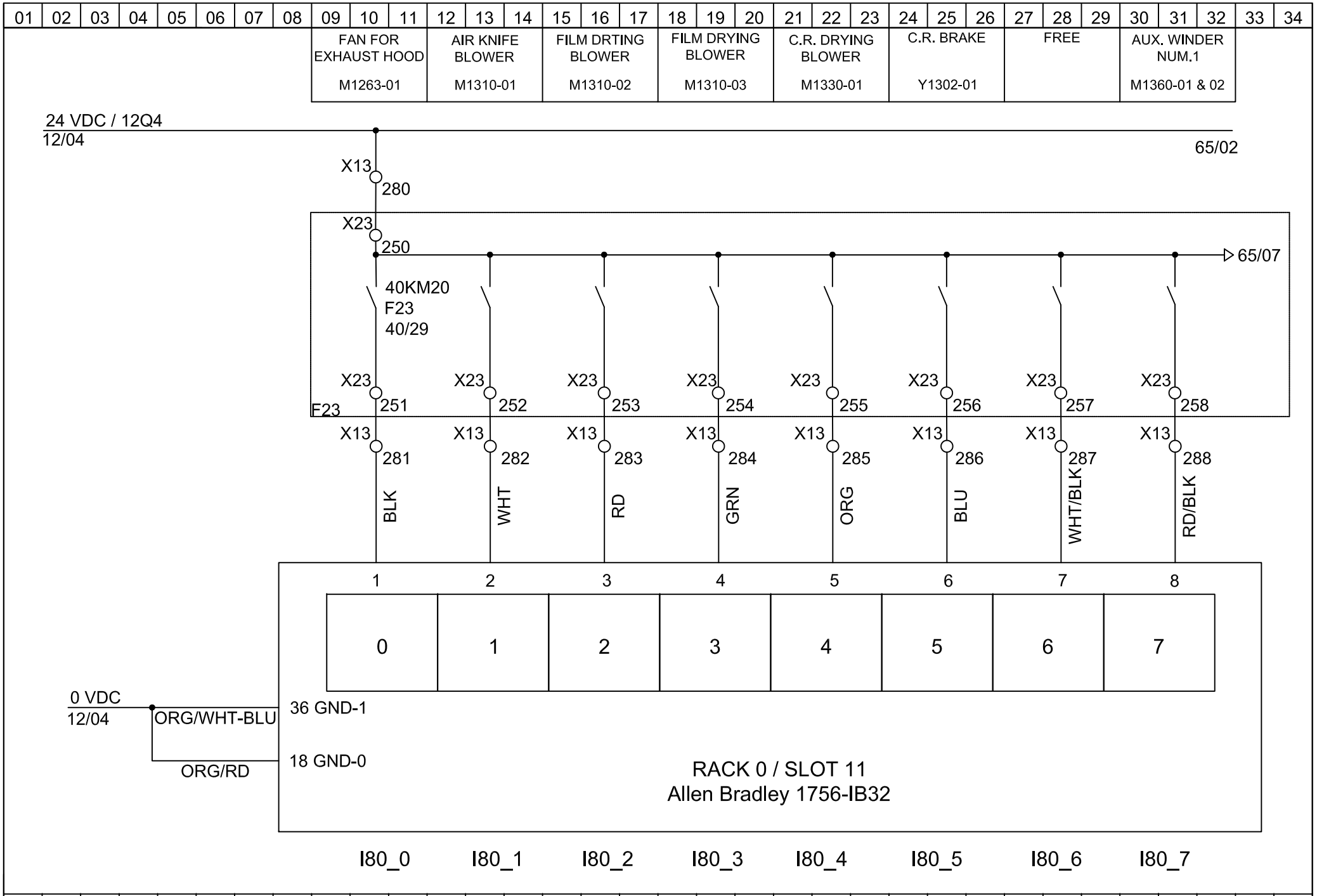
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34



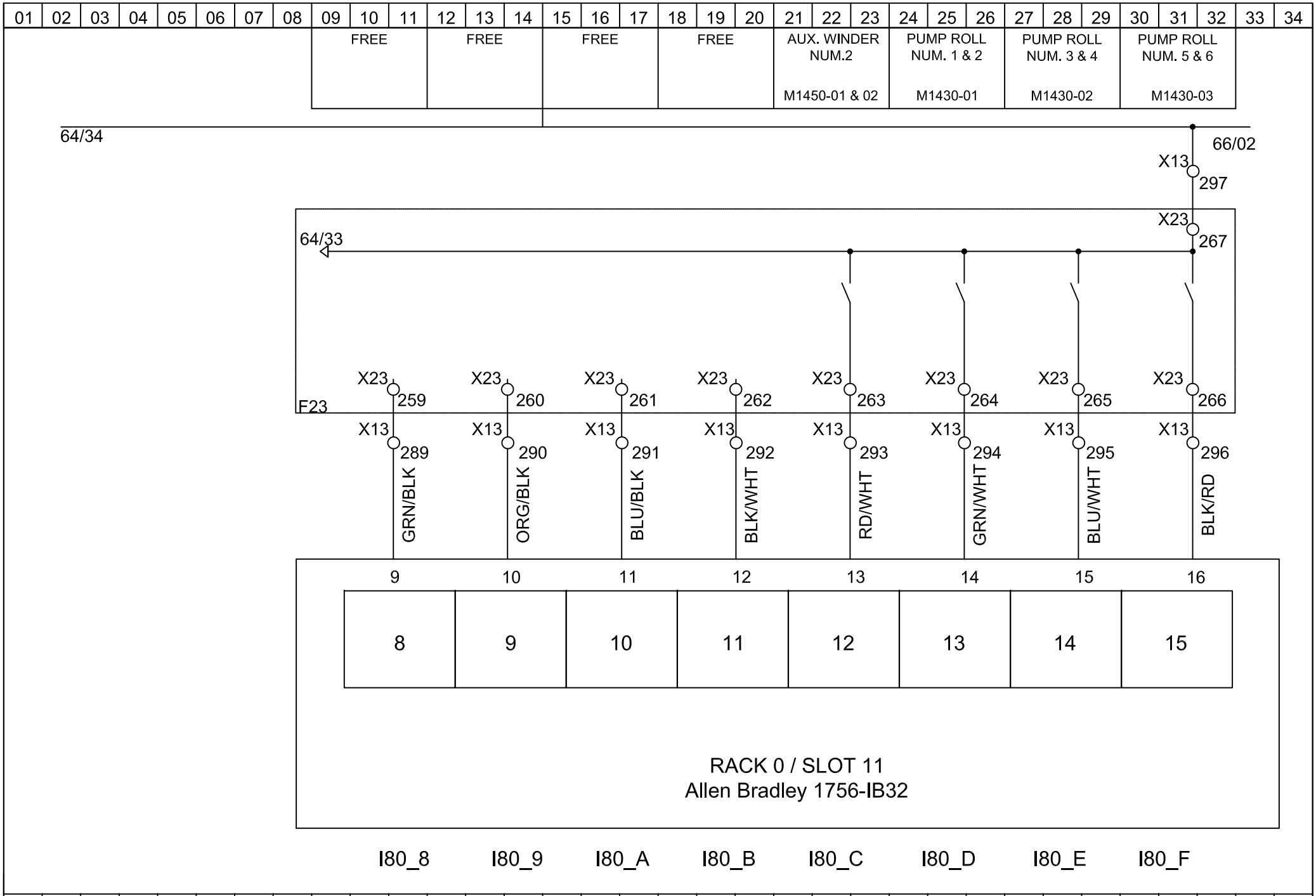
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

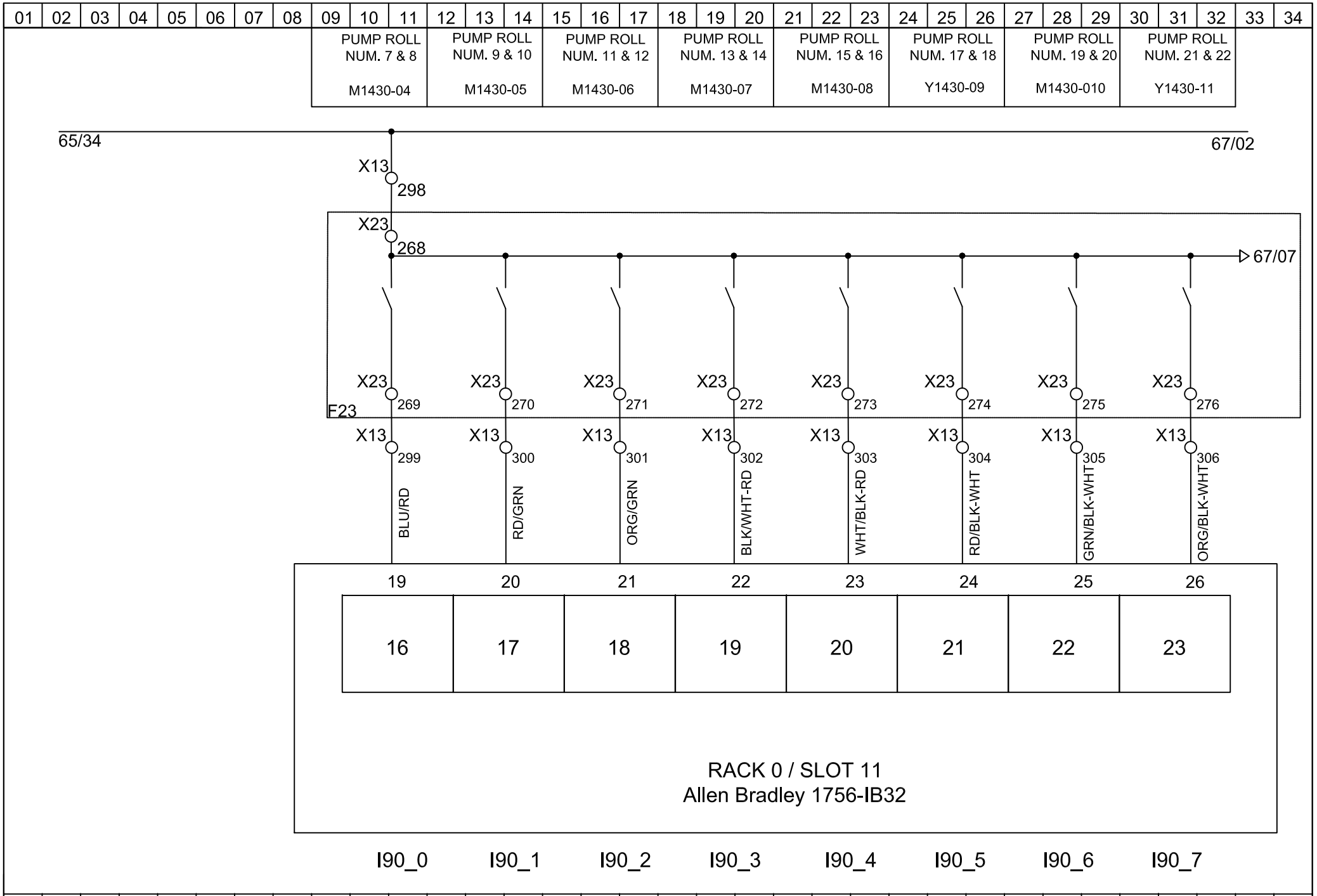
32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/16/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014
Page # 64
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	65		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/16/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

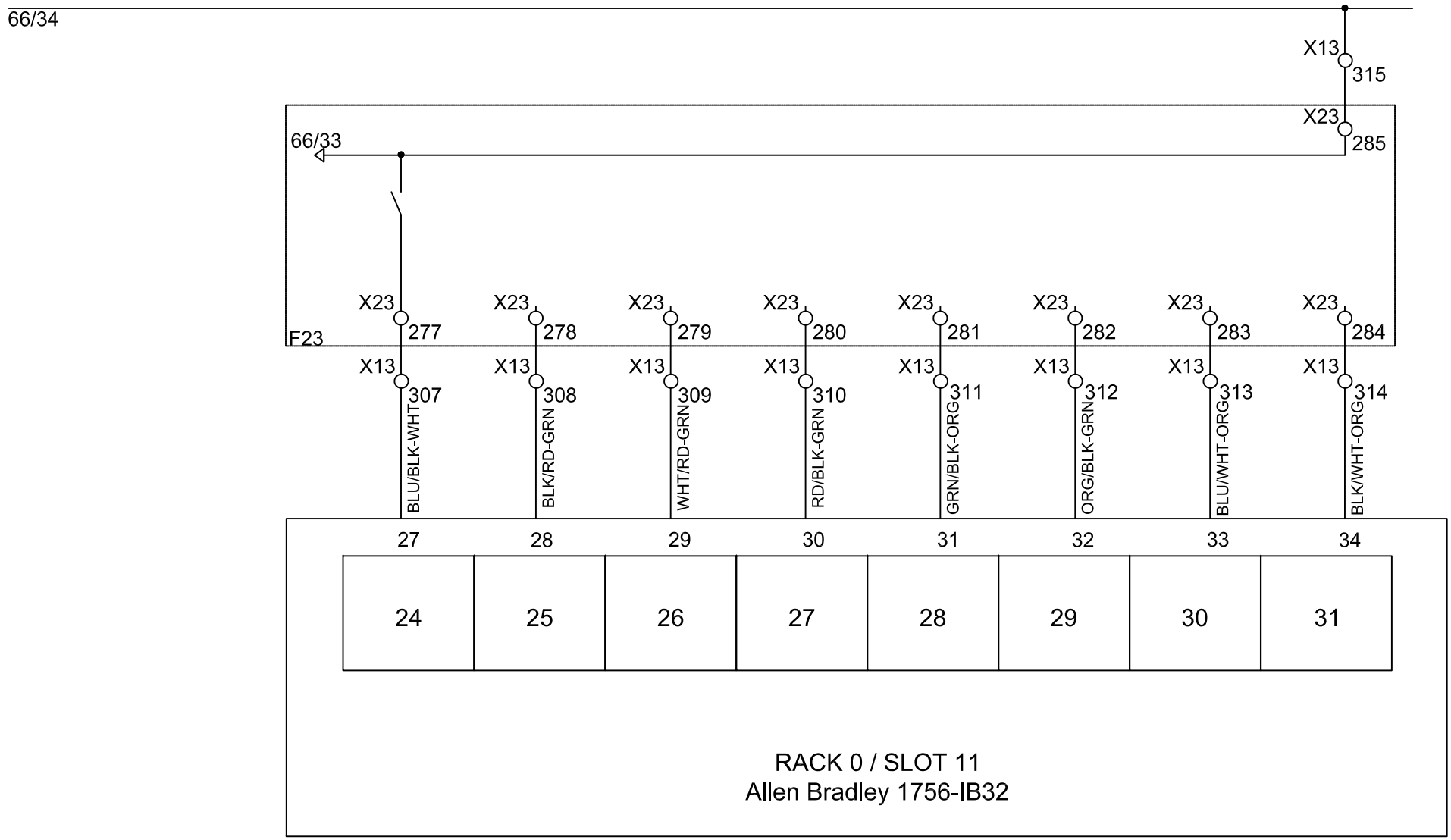


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	66		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/16/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

ONLY XE01

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

PUMP ROLL NUM. 23 & 24 M1430.12	FREE (XE01) SMOOT RESET	FREE (XE01) SMOOT START TO ACCUM	FREE (XE01) SMOOT RESET	FREE (XE01) SMOOT START TO ACCUM	FREE REFEA TO WATER BATH(SR7)	FREE	FREE



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

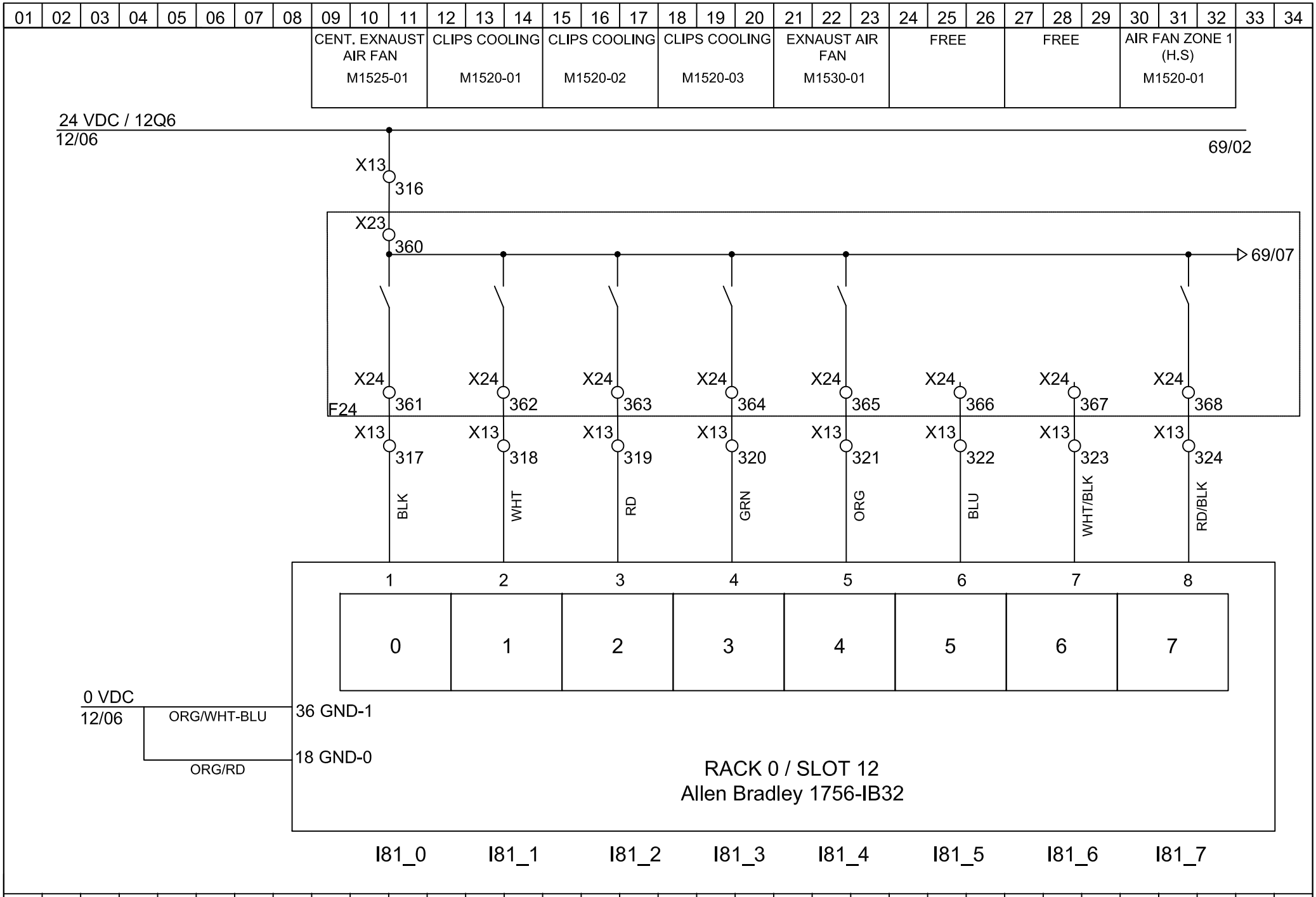
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

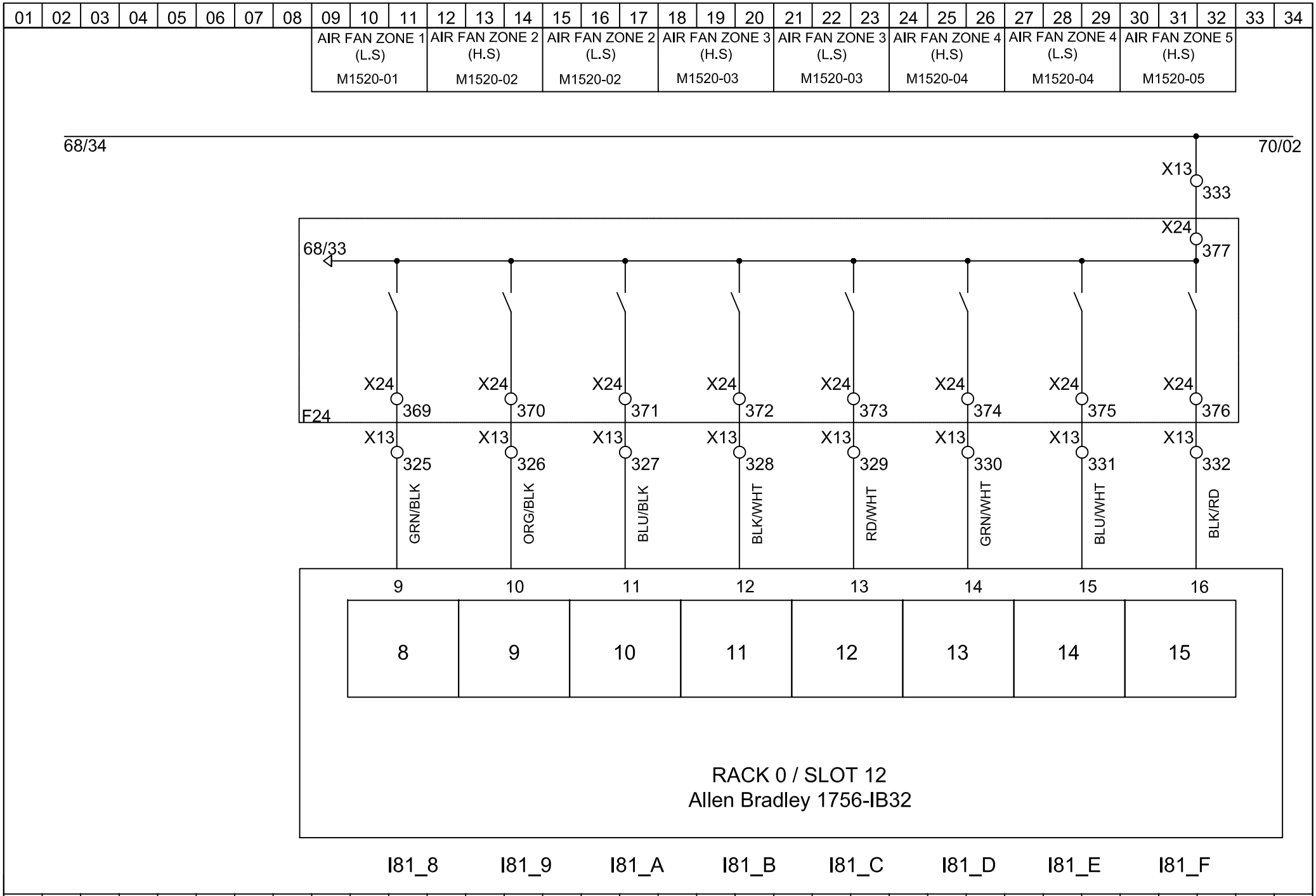
32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/16/2023

DRAWING DESCRIPTION	KF F13	Page #	67
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

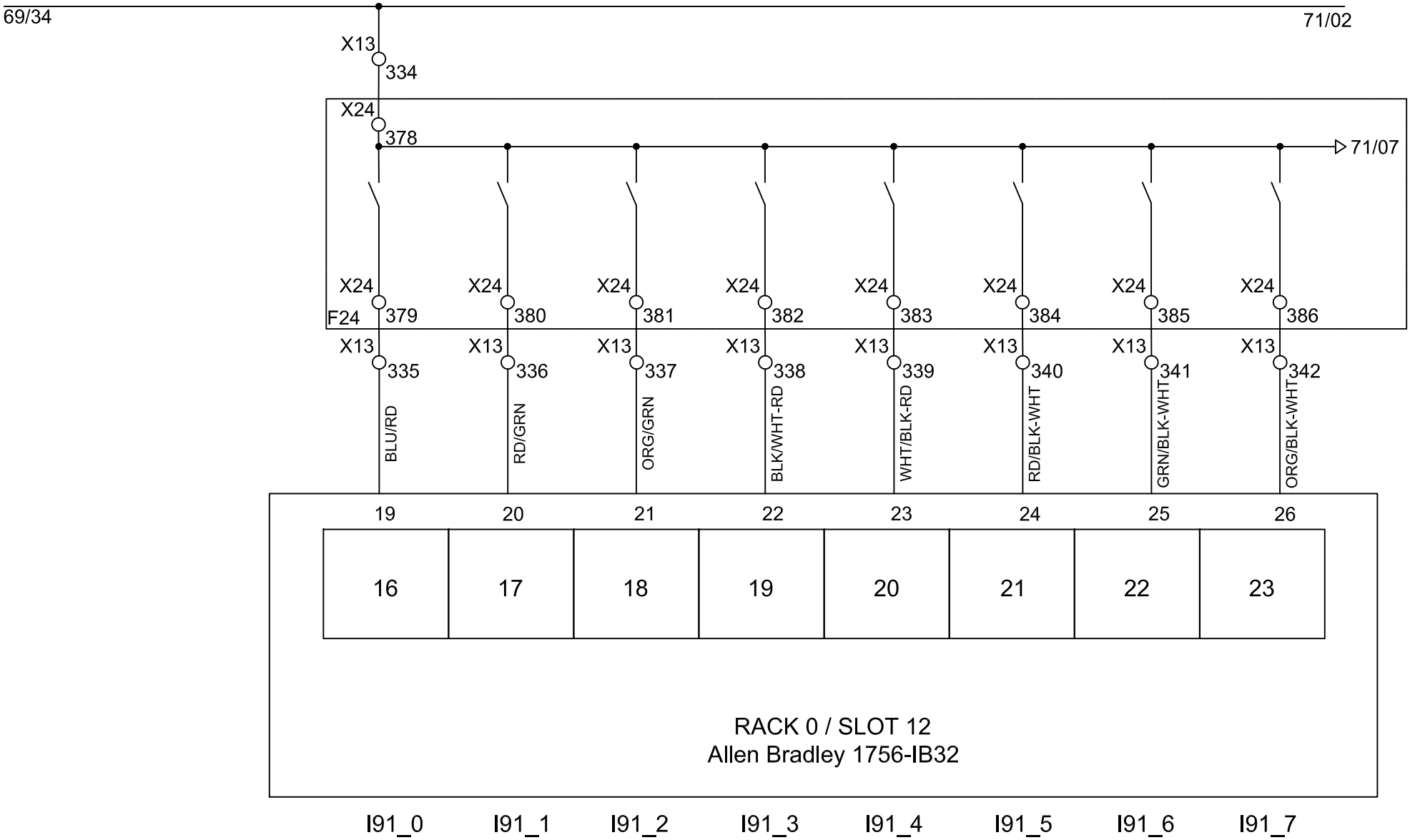


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	68			
								Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	

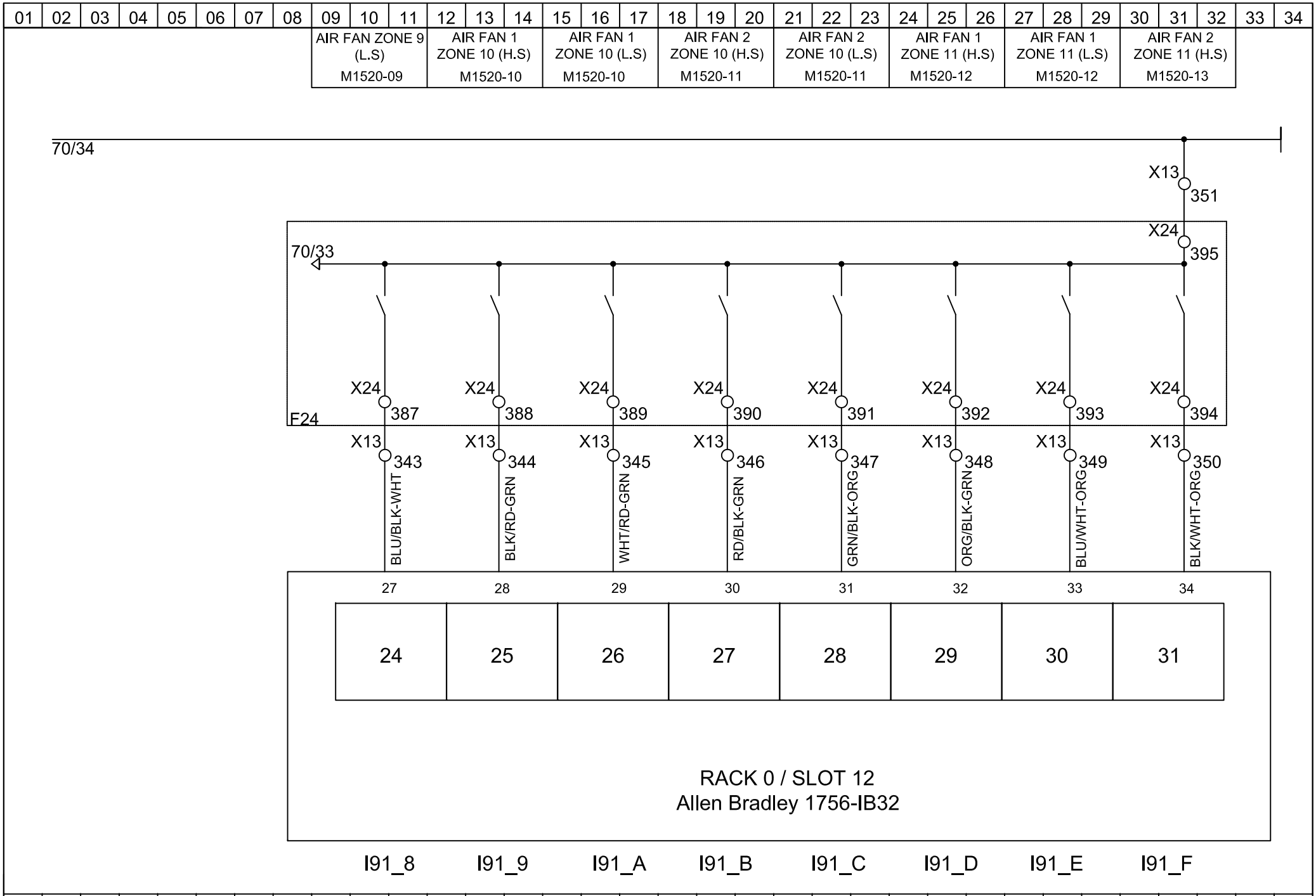


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	69		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN ZONE 5 (L.S) M1520-05	AIR FAN ZONE 6 (H.S) M1520-06	AIR FAN ZONE 6 (L.S) M1520-06	AIR FAN ZONE 7 (H.S) M1520-07	AIR FAN ZONE 7 (L.S) M1520-07	AIR FAN ZONE 8 (H.S) M1520-08	AIR FAN ZONE 8 (L.S) M1520-08	AIR FAN ZONE 9 (H.S) M1520-09



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	70			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

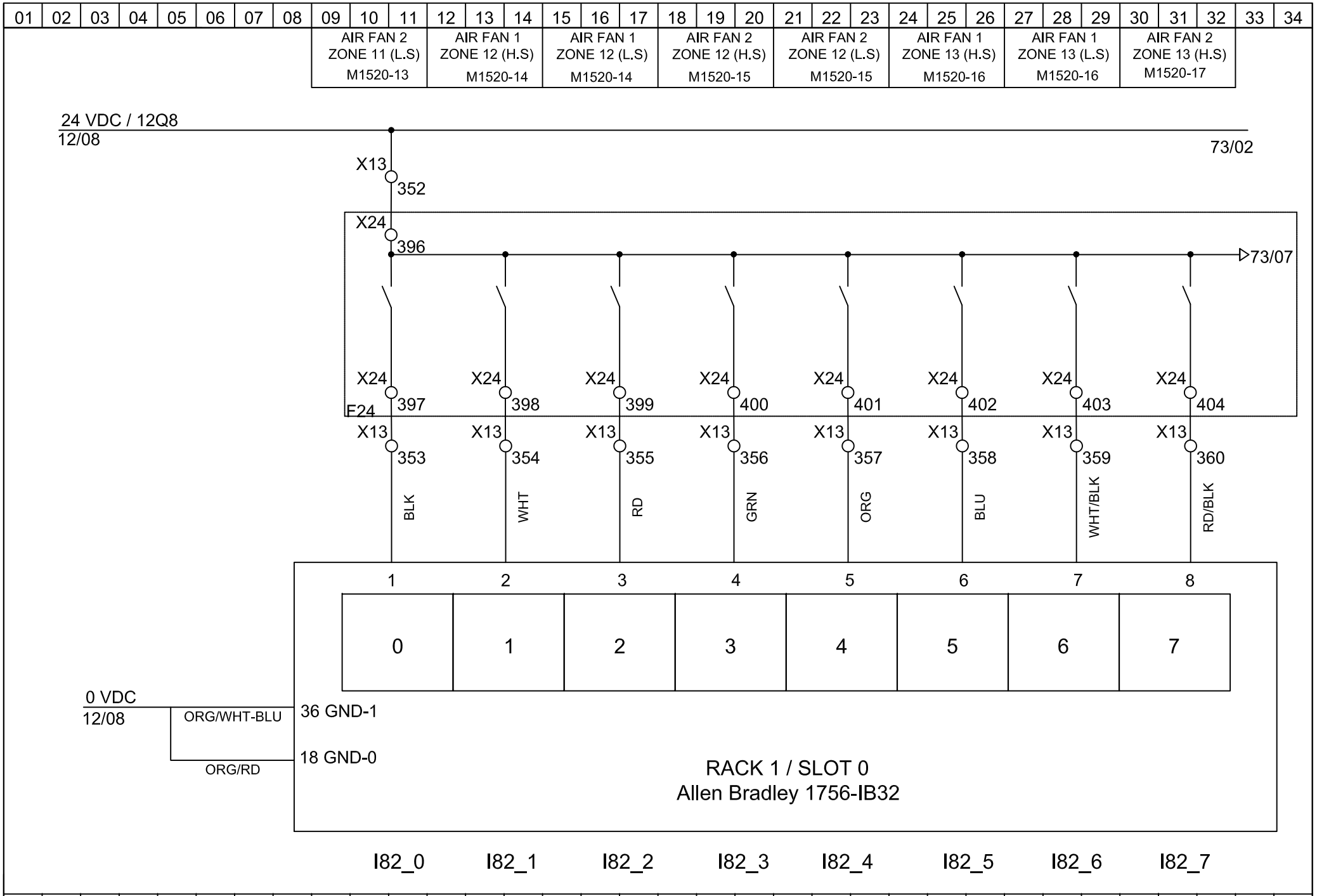
DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025
1	UPGRADE TO AB	Bryan Hong	11/17/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014

Page # 71
Total
MATERIAL
SCALE NONE
UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	72		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL			
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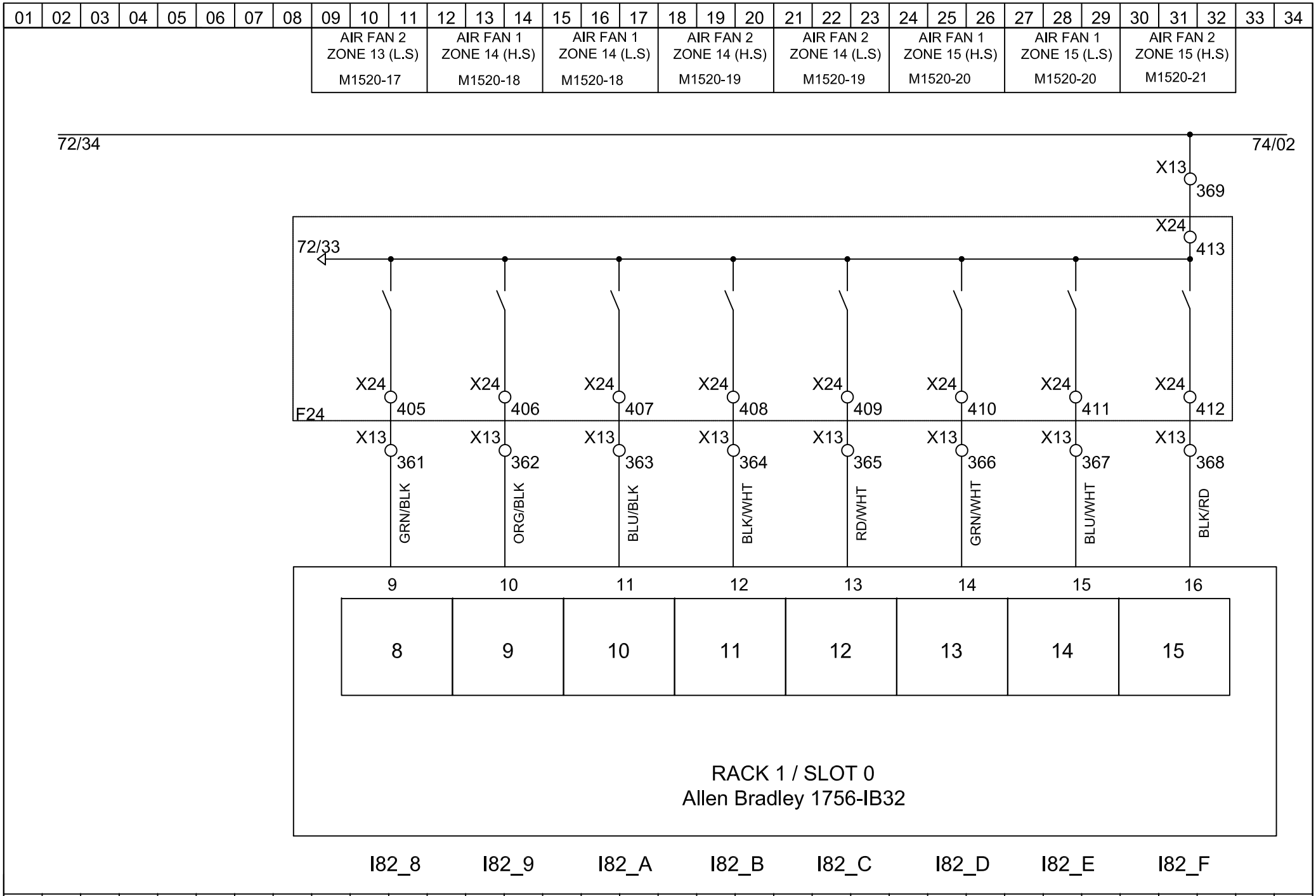
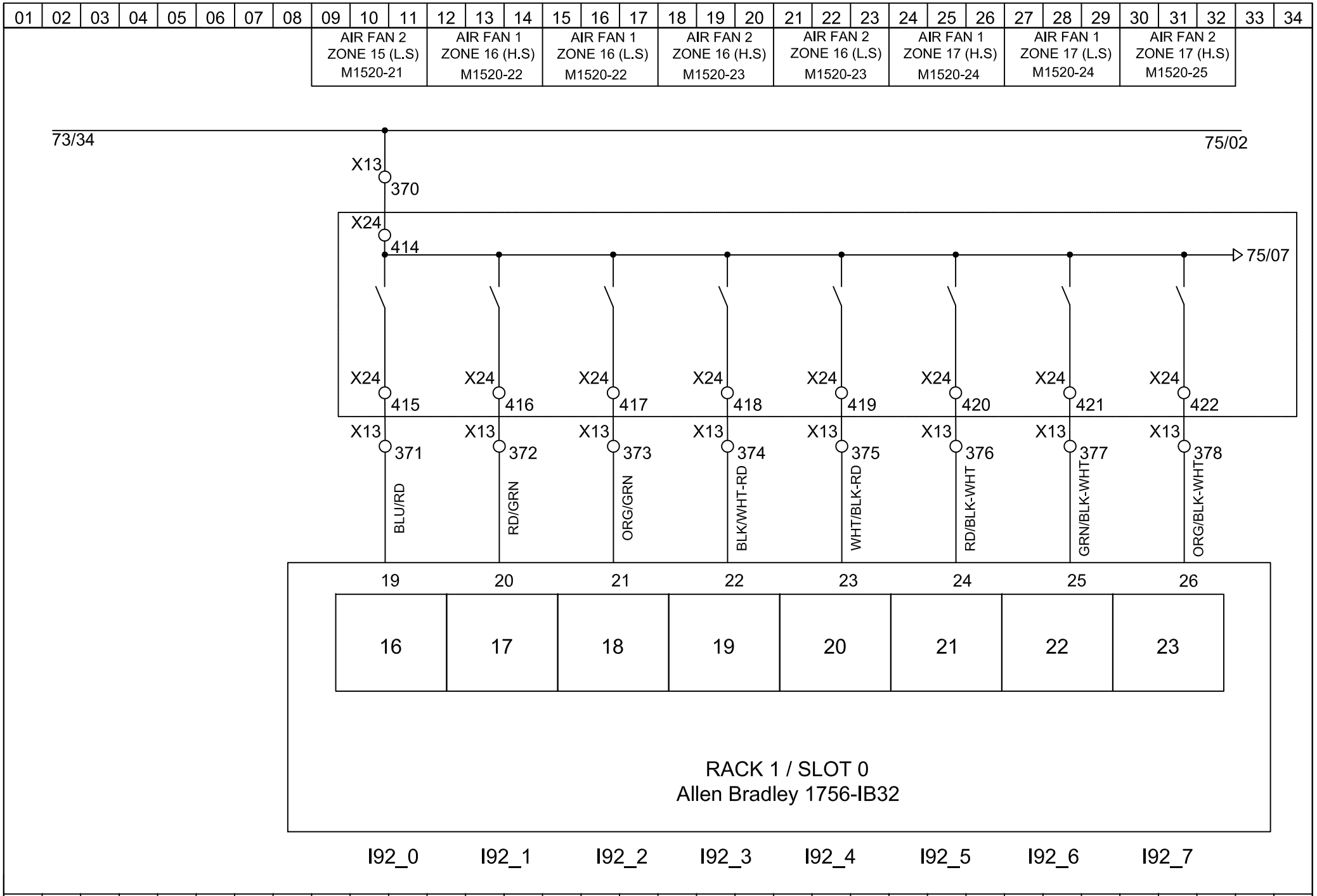


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	73				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	74				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL					
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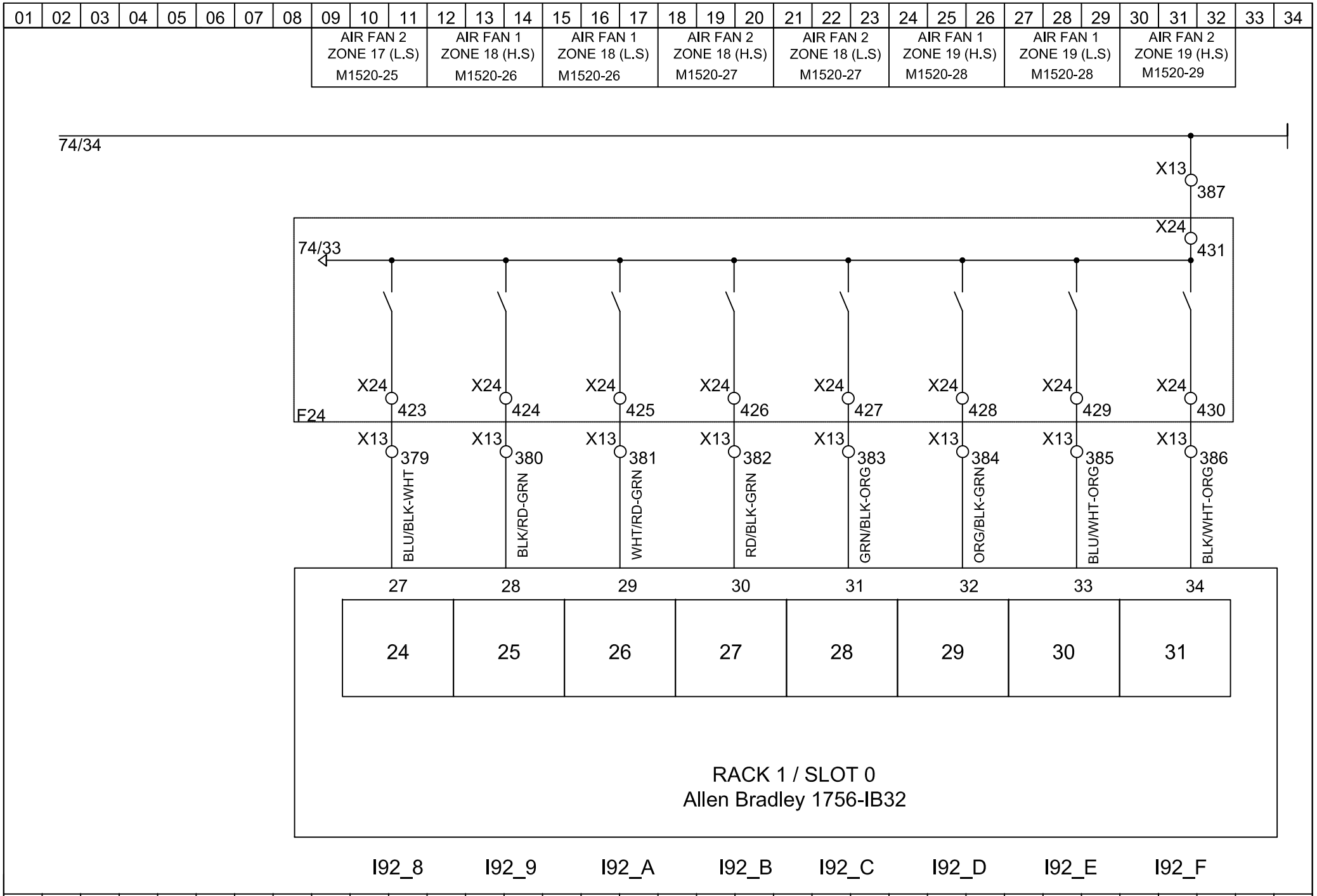
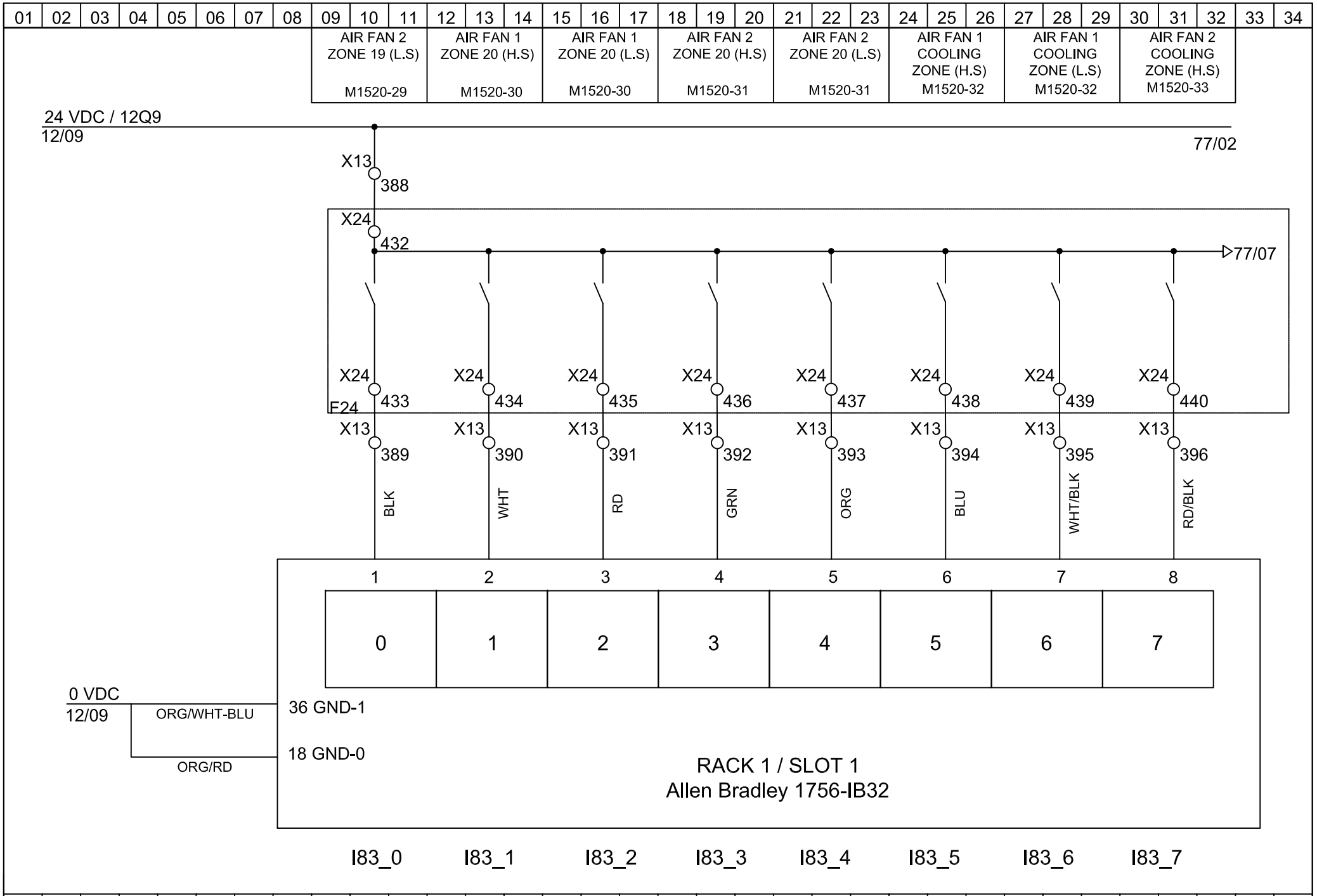


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	75			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/17/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/20/2023	DRAWING DESCRIPTION	KF F13	Page #	76		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	Total			
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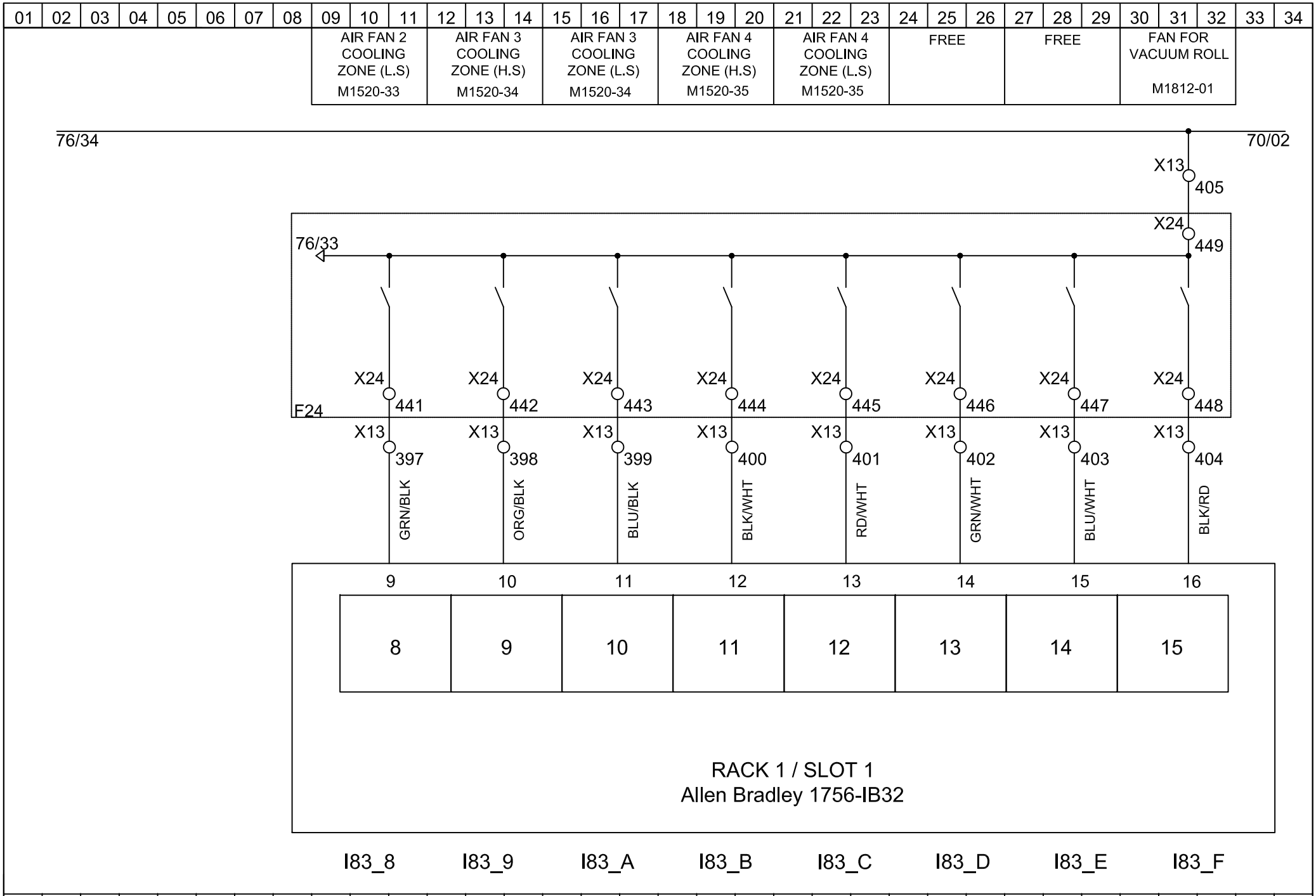

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	77				
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DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/20/2023	DRAWING NO.		MATERIAL					
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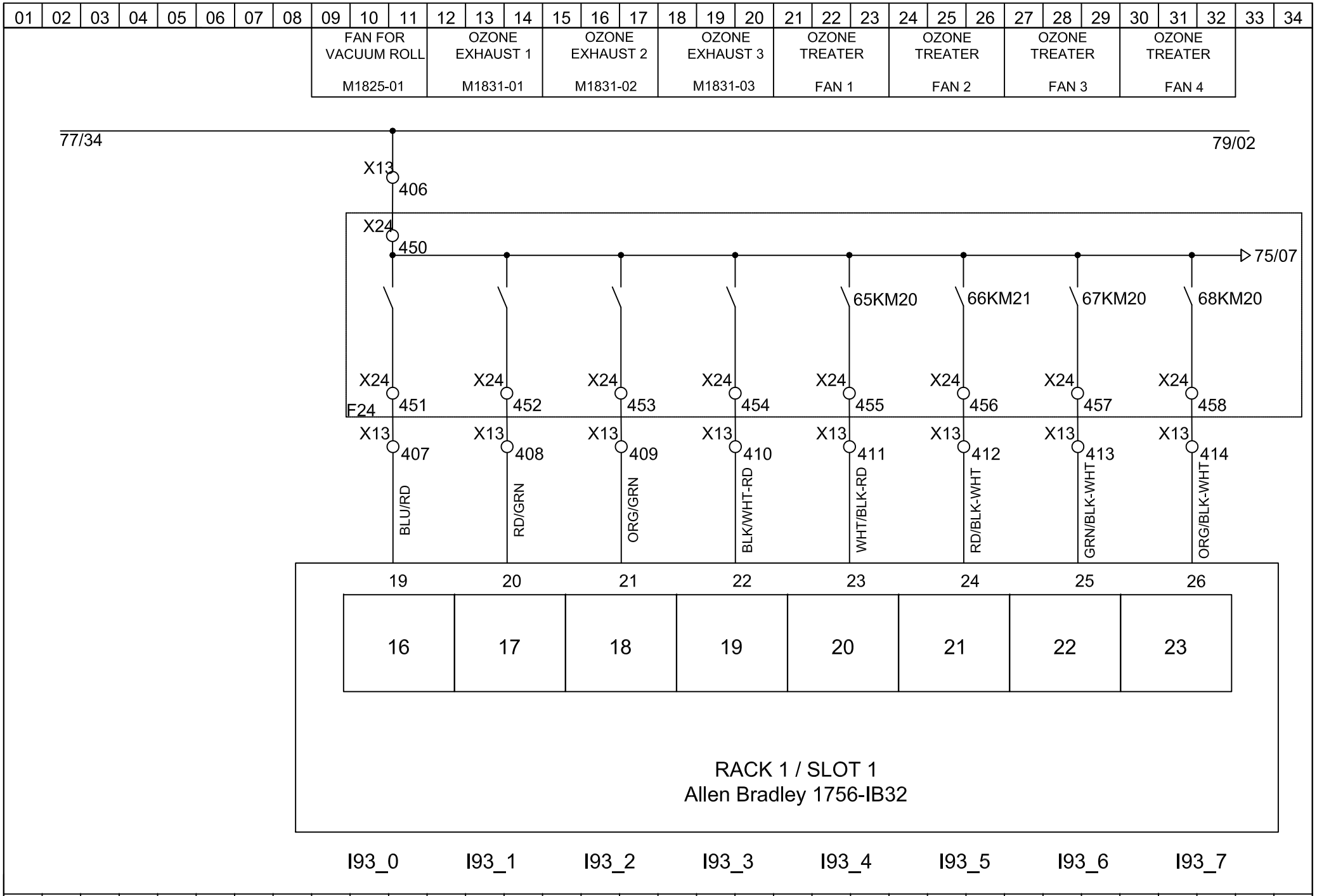

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	78		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/20/2023	DRAWING NO.		MATERIAL			
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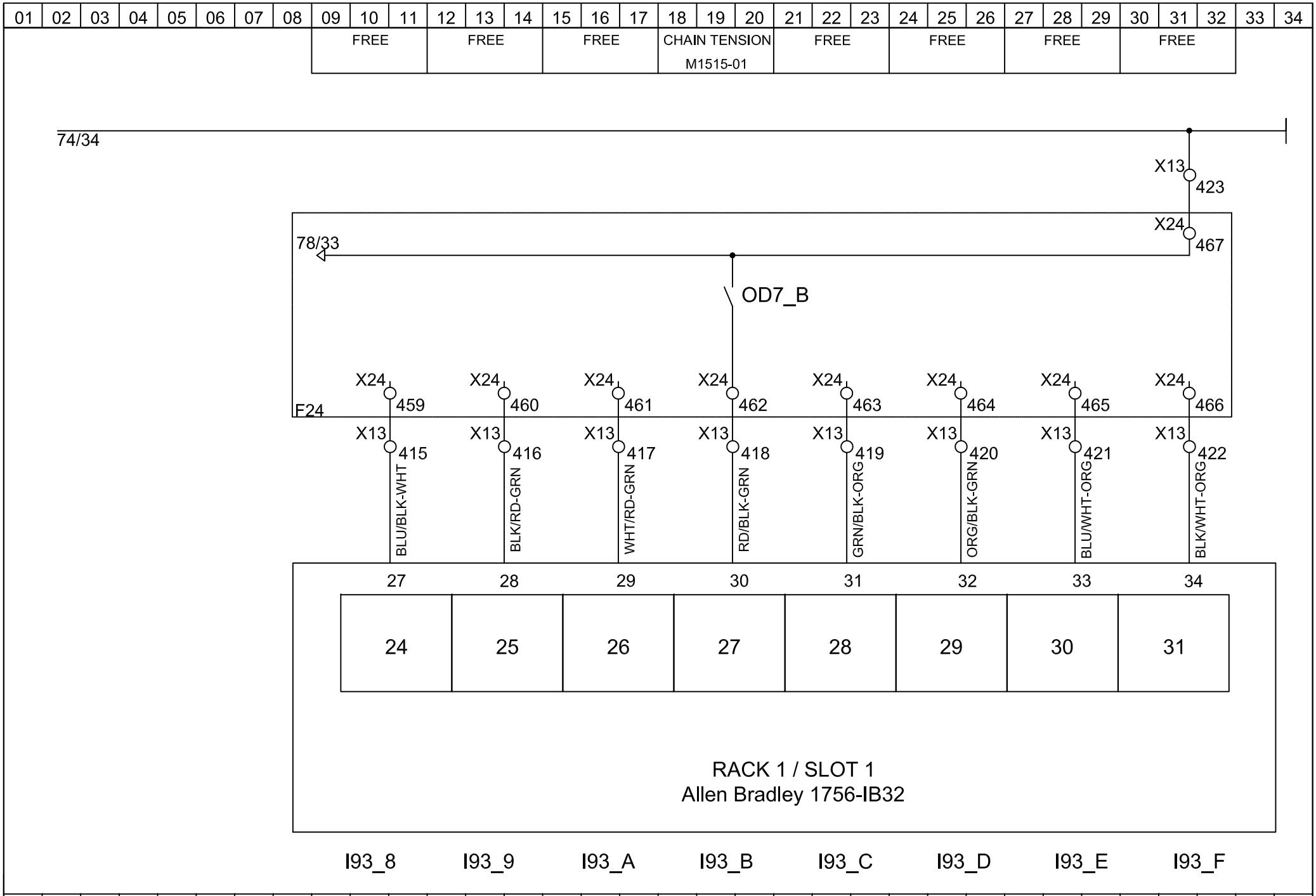
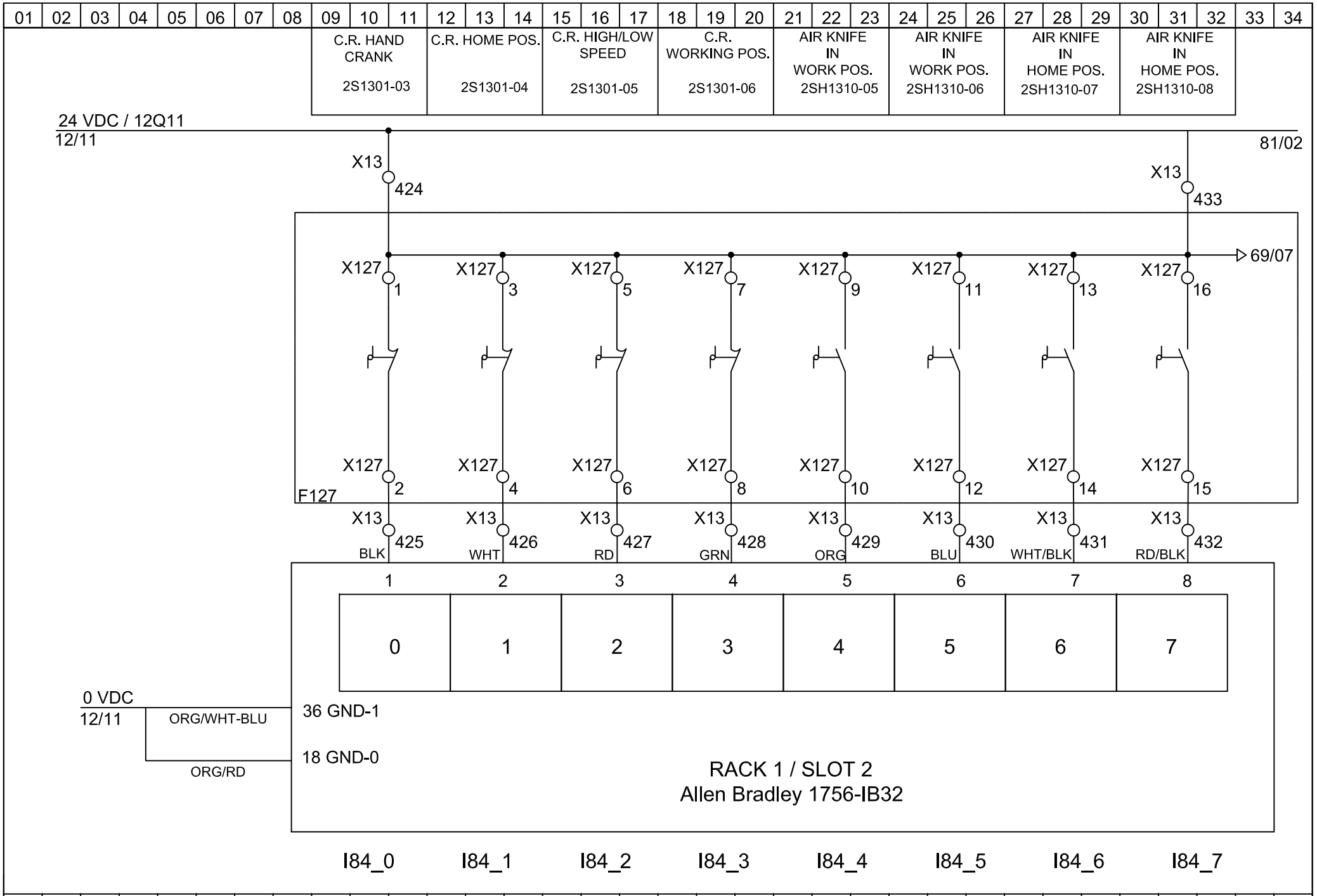
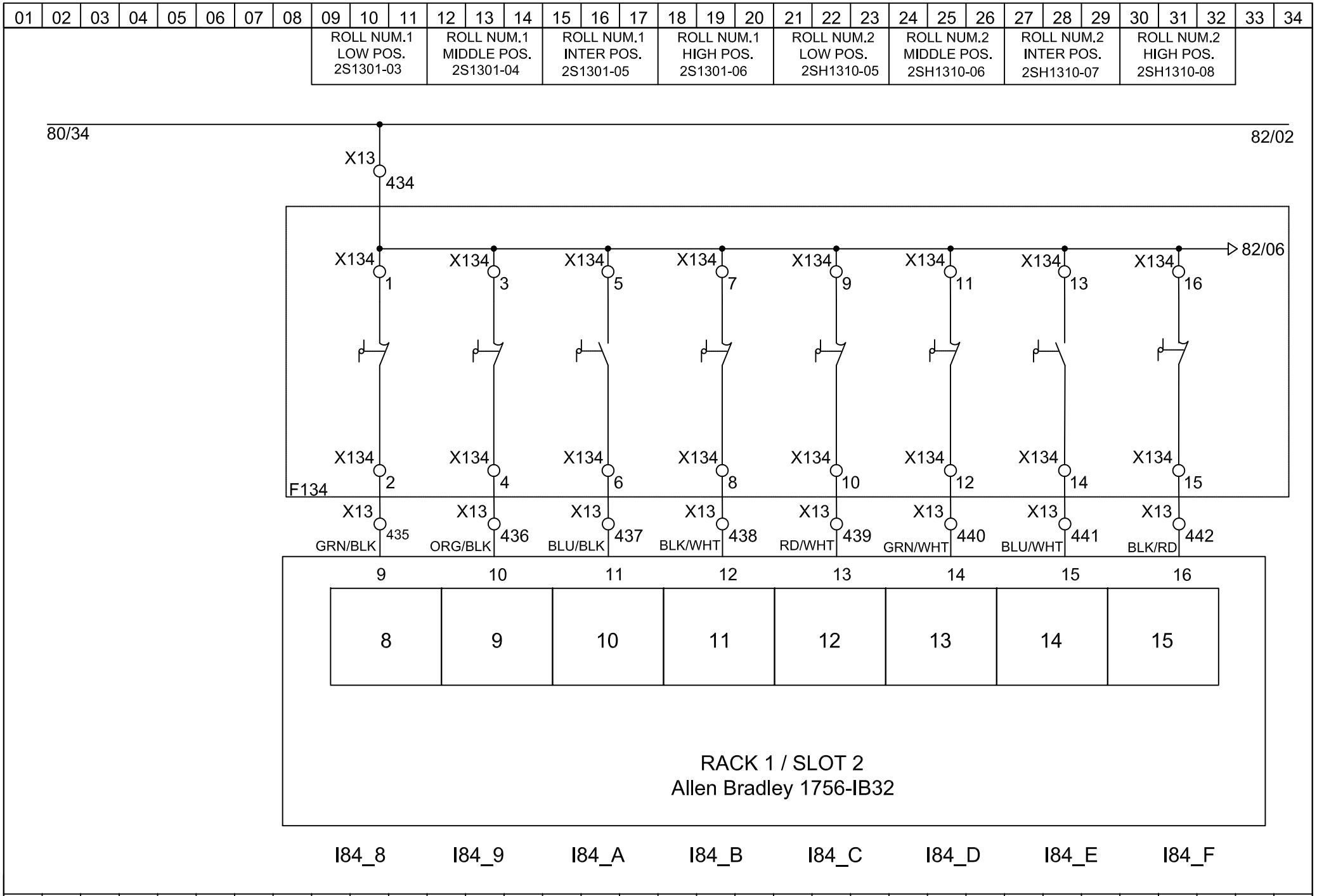
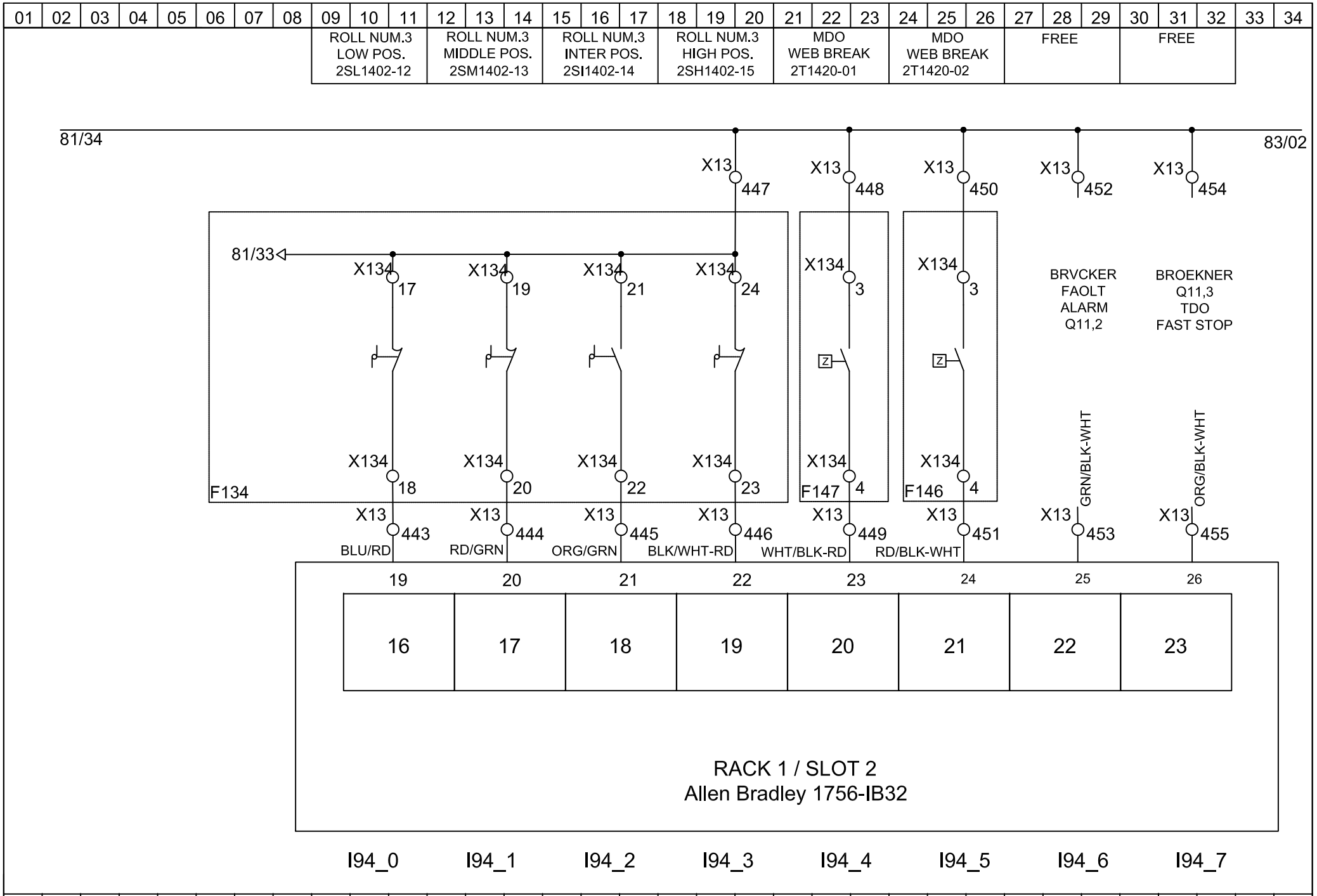


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	79			
									Total				
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/20/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	

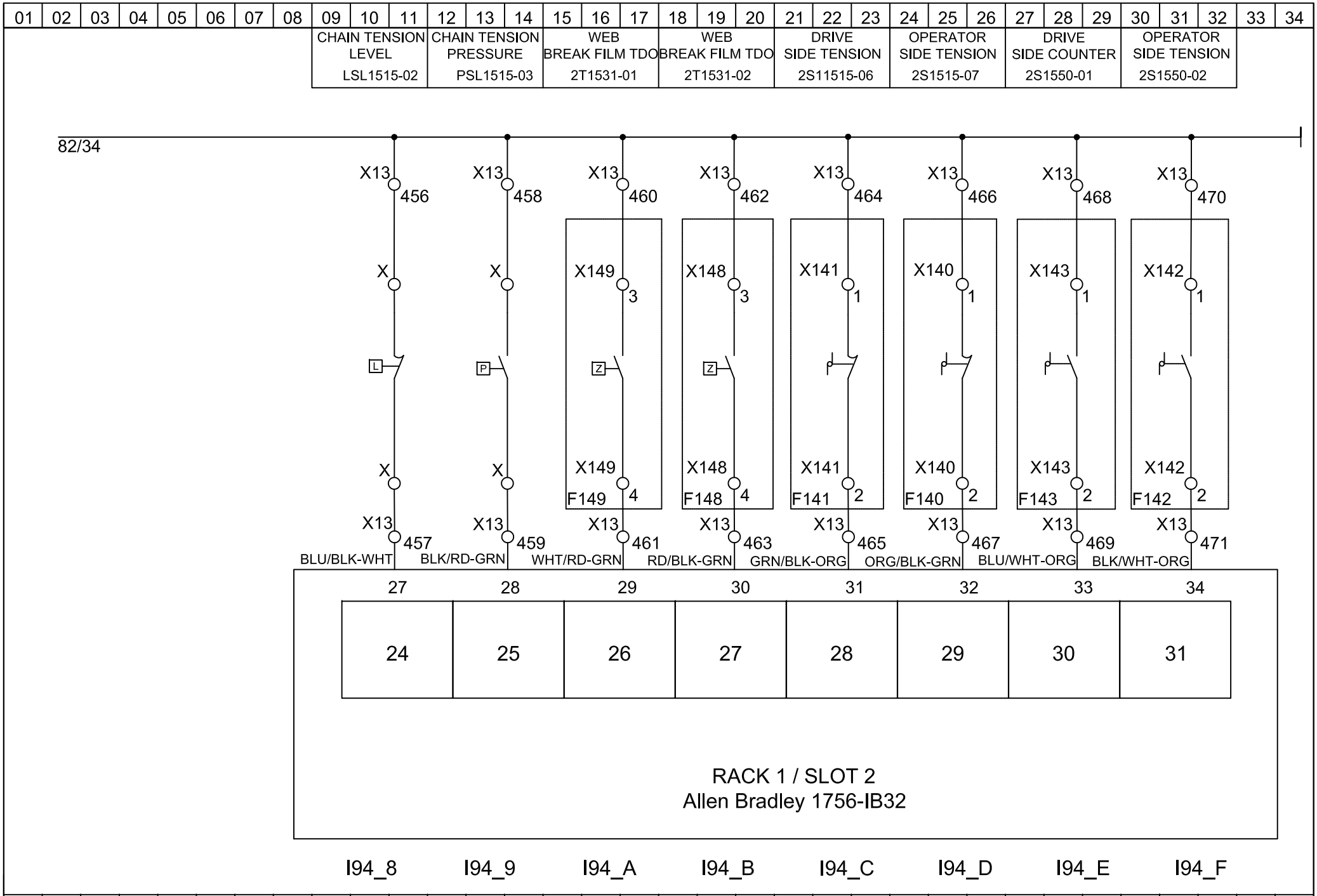


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	80		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/21/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

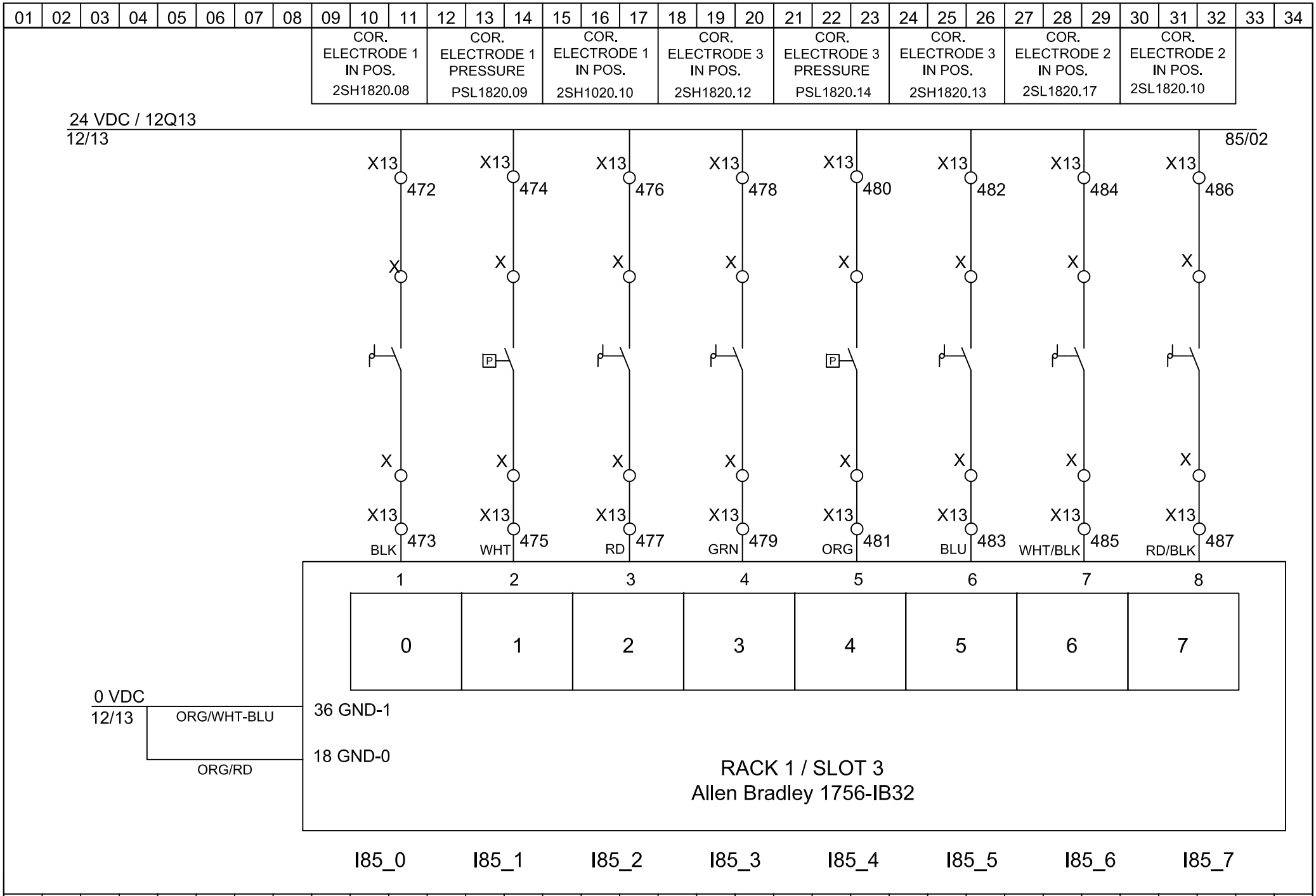

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
ROLL NUM.1 LOW POS. 2S1301-03
ROLL NUM.1 MIDDLE POS. 2S1301-04
ROLL NUM.1 INTER POS. 2S1301-05
ROLL NUM.1 HIGH POS. 2S1301-06
ROLL NUM.2 LOW POS. 2SH1310-05
ROLL NUM.2 MIDDLE POS. 2SH1310-06
ROLL NUM.2 INTER POS. 2SH1310-07
ROLL NUM.2 HIGH POS. 2SH1310-08
80/34
82/02
X13
434
X134
1
3
5
7
9
11
13
16
82/06
2
4
6
8
10
12
14
15
F134
X13
435
436
437
438
439
440
441
442
GRN/BLK
ORG/BLK
BLU/BLK
BLK/WHT
RD/WHT
GRN/WHT
BLU/WHT
BLK/RD
9 10 11 12 13 14 15 16
8 9 10 11 12 13 14 15
RACK 1 / SLOT 2
Allen Bradley 1756-IB32
I84_8
I84_9
I84_A
I84_B
I84_C
I84_D
I84_E
I84_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
32 P.L.C. DIGITAL INPUT
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/21/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF
F13
Page # 81
Total
MATERIAL
SCALE NONE
UNIT MM



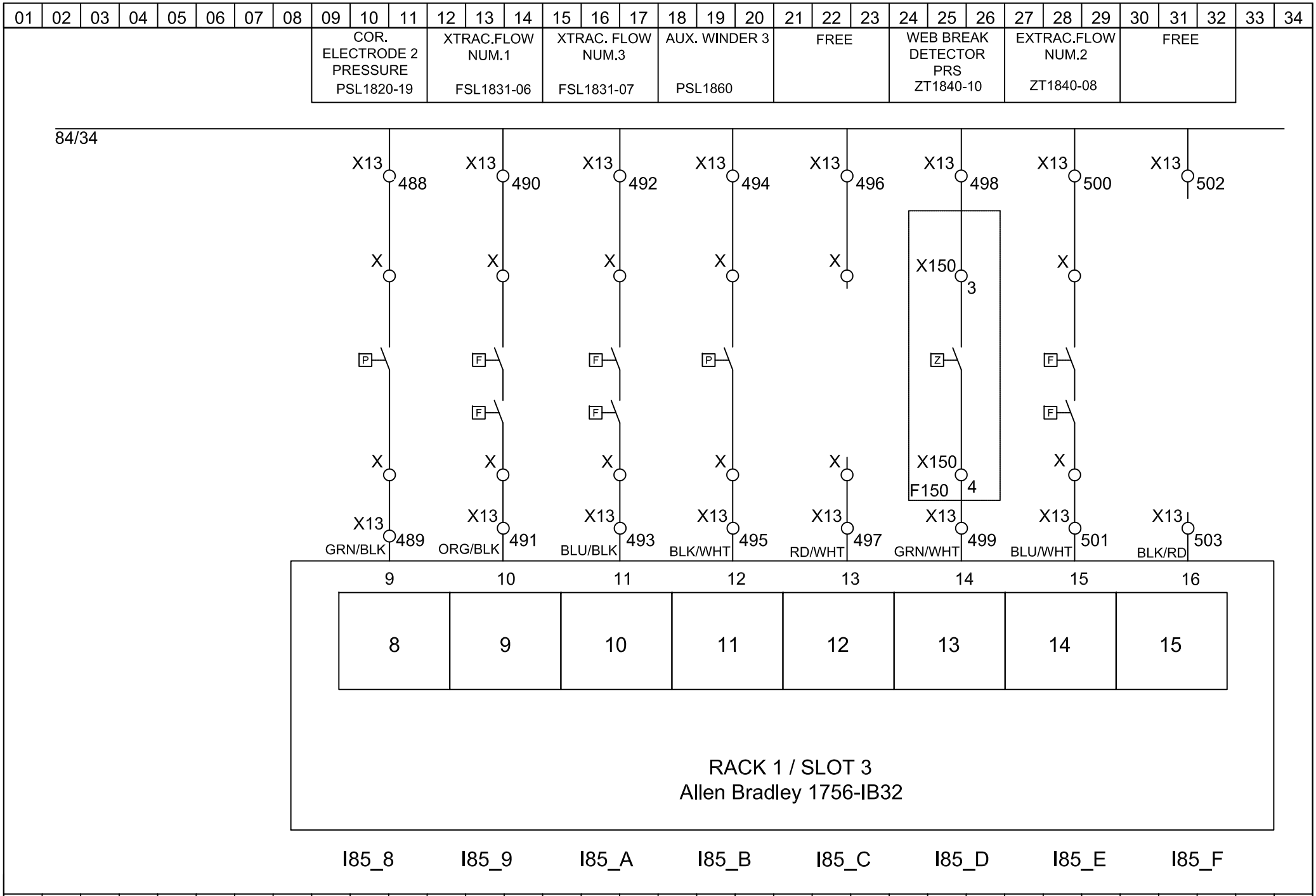
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	82			
		1	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total				
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/21/2023	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



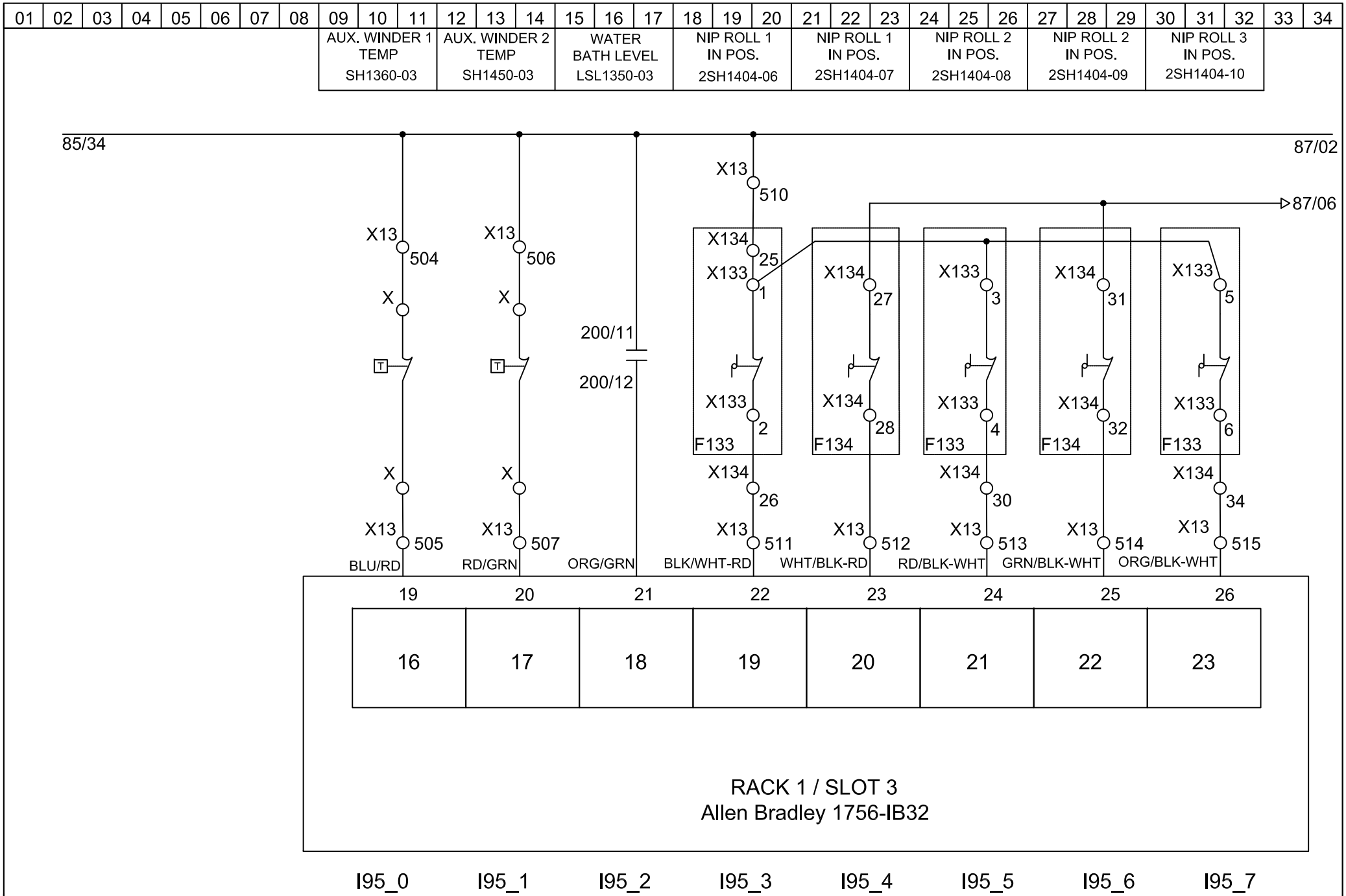
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	83				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/21/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		



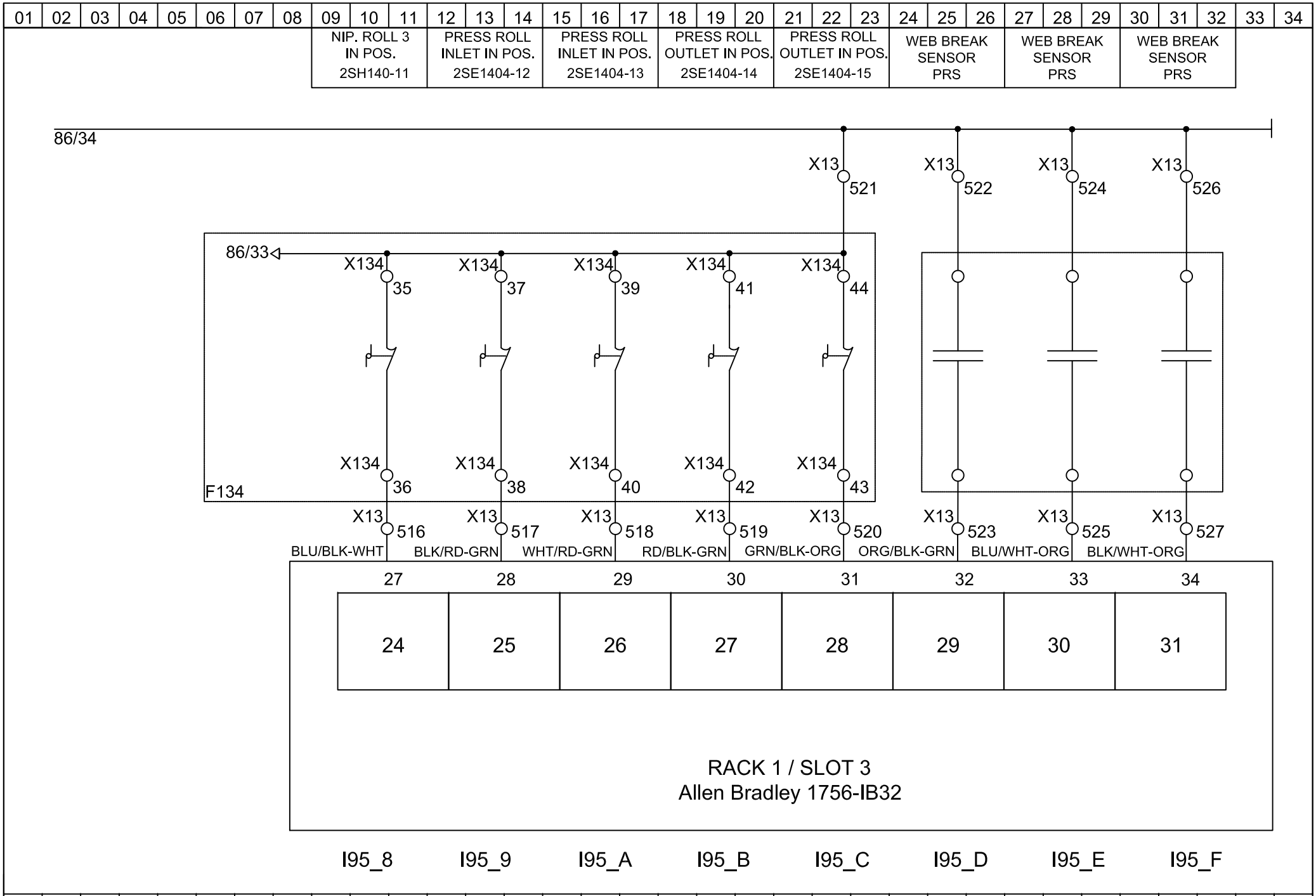
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	84		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



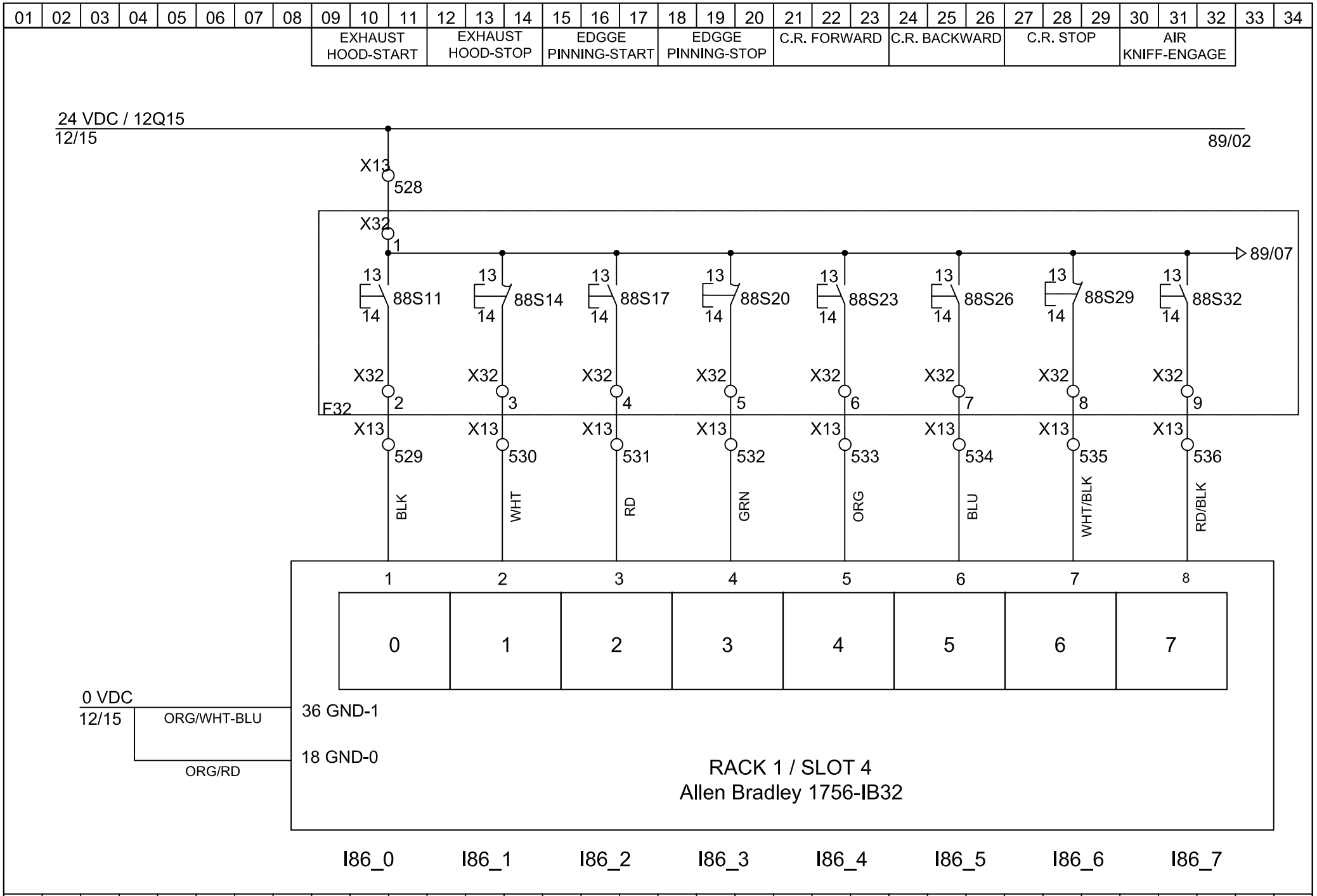
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	85			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

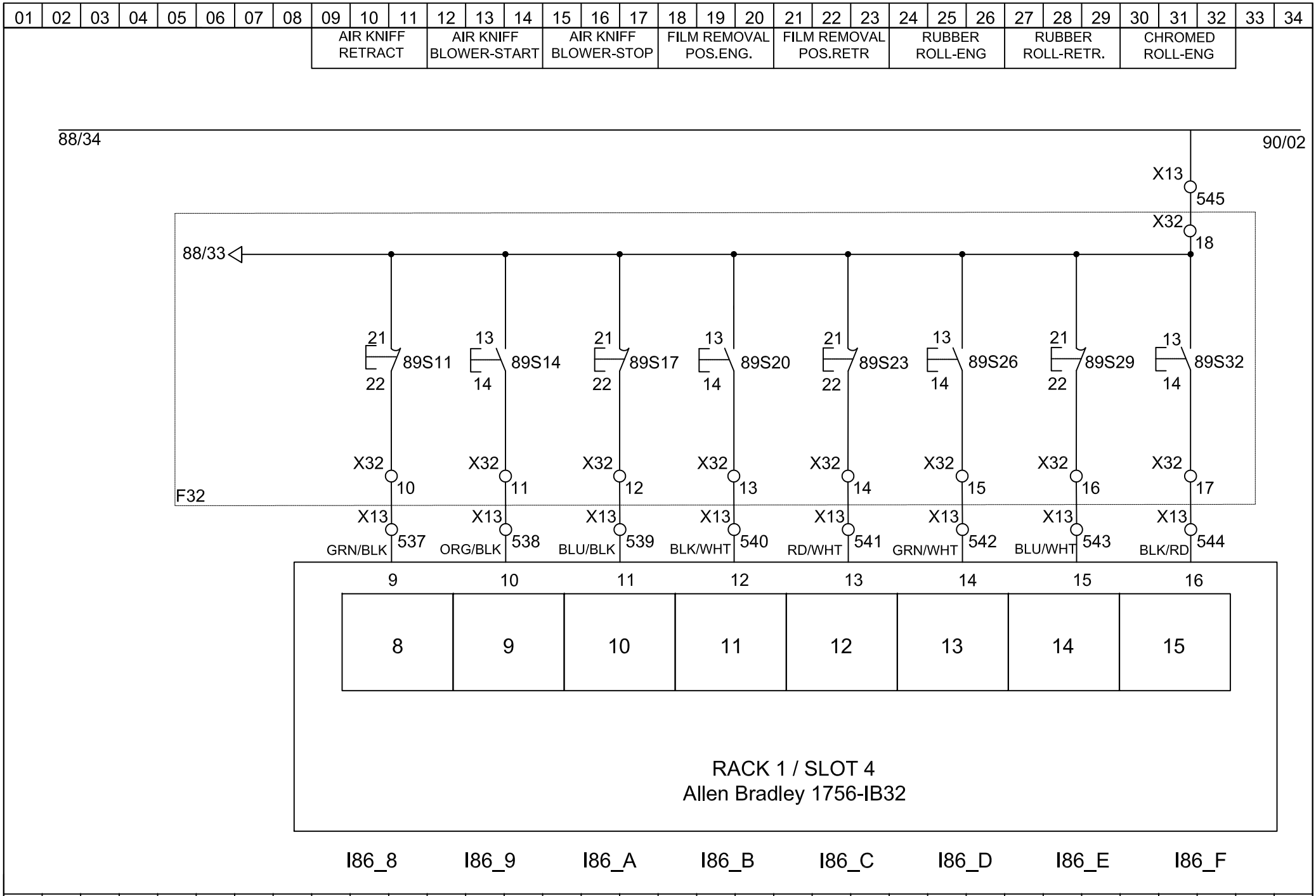


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	86				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	87			
									Total				
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
EXHAUST HOOD-START
EXHAUST HOOD-STOP
EDGGE PINNING-START
EDGGE PINNING-STOP
C.R. FORWARD
C.R. BACKWARD
C.R. STOP
AIR KNIFF-ENGAGE
24 VDC / 12Q15
12/15
89/02
X13
528
X32
1
89/07
88S11
88S14
88S17
88S20
88S23
88S26
88S29
88S32
13
14
X32
2
3
4
5
6
7
8
9
F32
X13
529
530
531
532
533
534
535
536
BLK
WHT
RD
GRN
ORG
BLU
WHT/BLK
RD/BLK
1 2 3 4 5 6 7 8
0 1 2 3 4 5 6 7
0 VDC
12/15
ORG/WHT-BLU
ORG/RD
36 GND-1
18 GND-0
RACK 1 / SLOT 4
Allen Bradley 1756-IB32
I86_0 I86_1 I86_2 I86_3 I86_4 I86_5 I86_6 I86_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/22/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF
F13
Page # 88
Total
MATERIAL
SCALE NONE
UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	89			
									Total				
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL				
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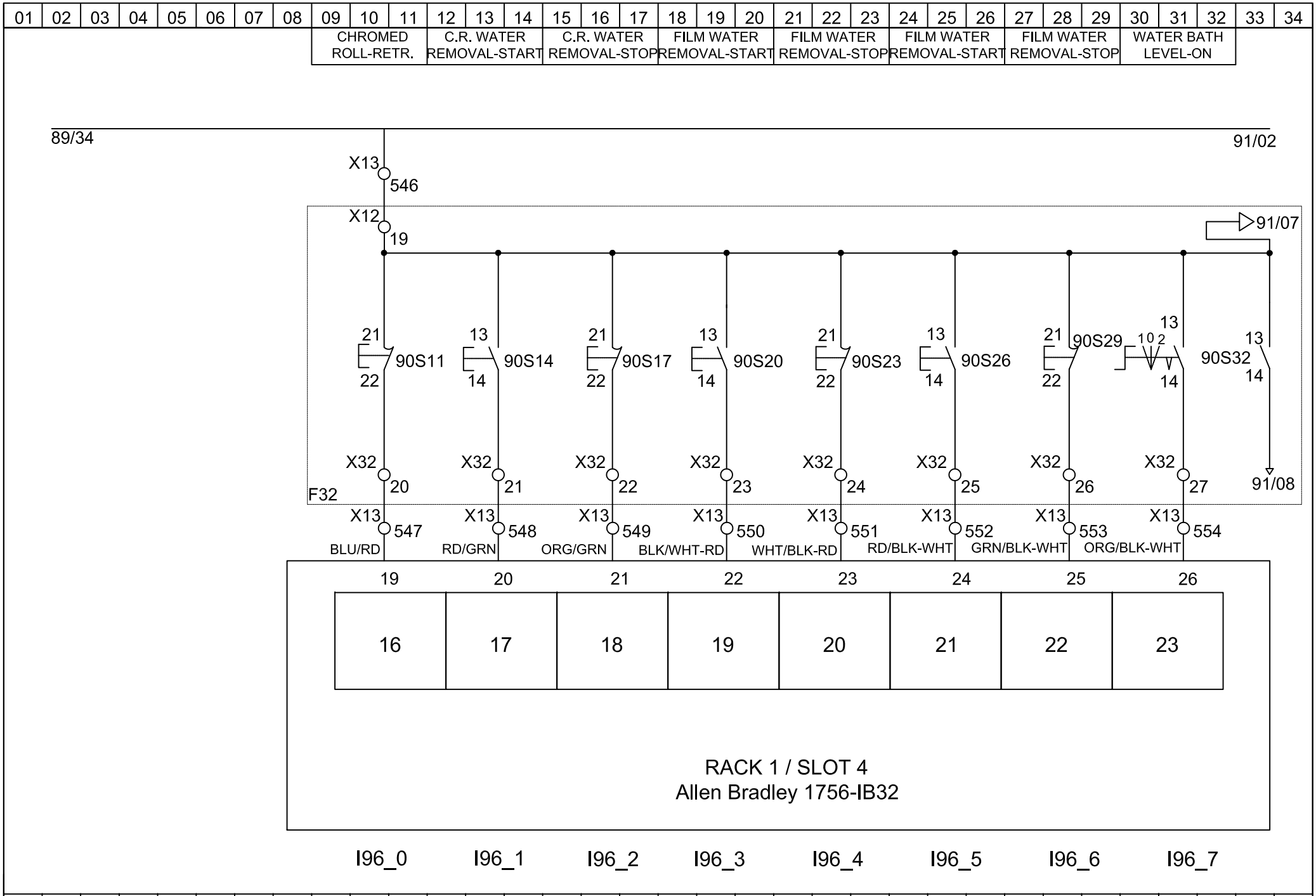

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	90		
								Total			
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/22/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
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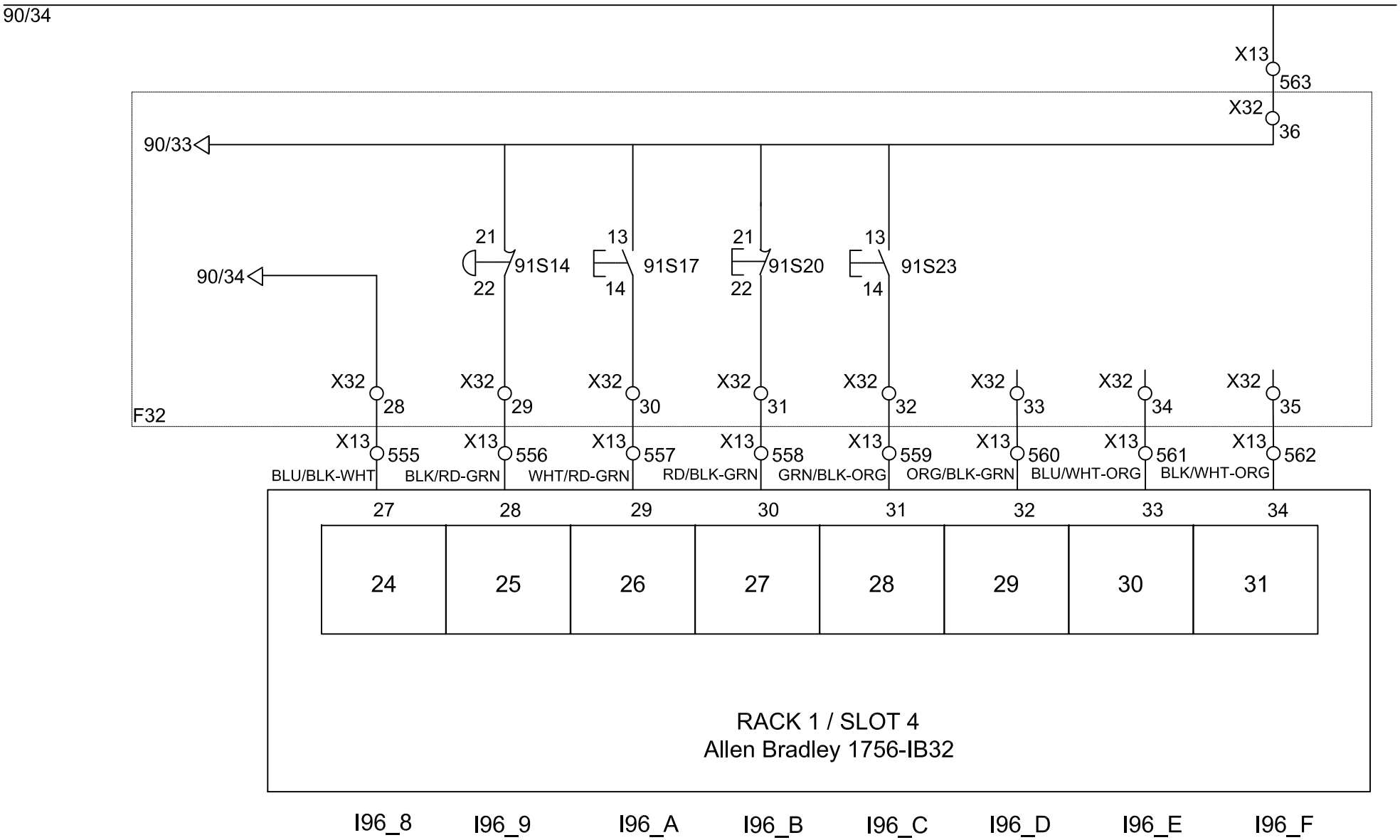

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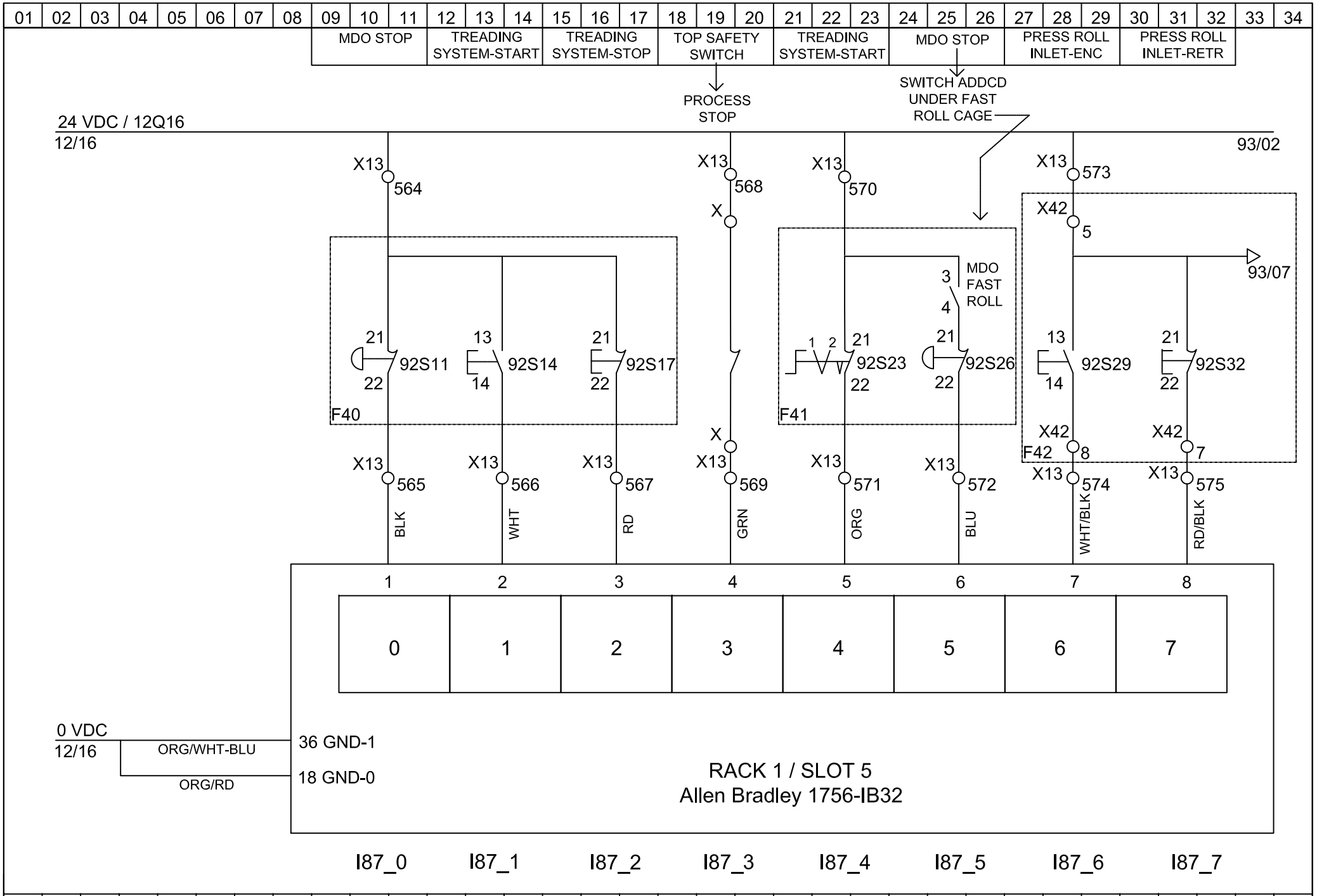
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

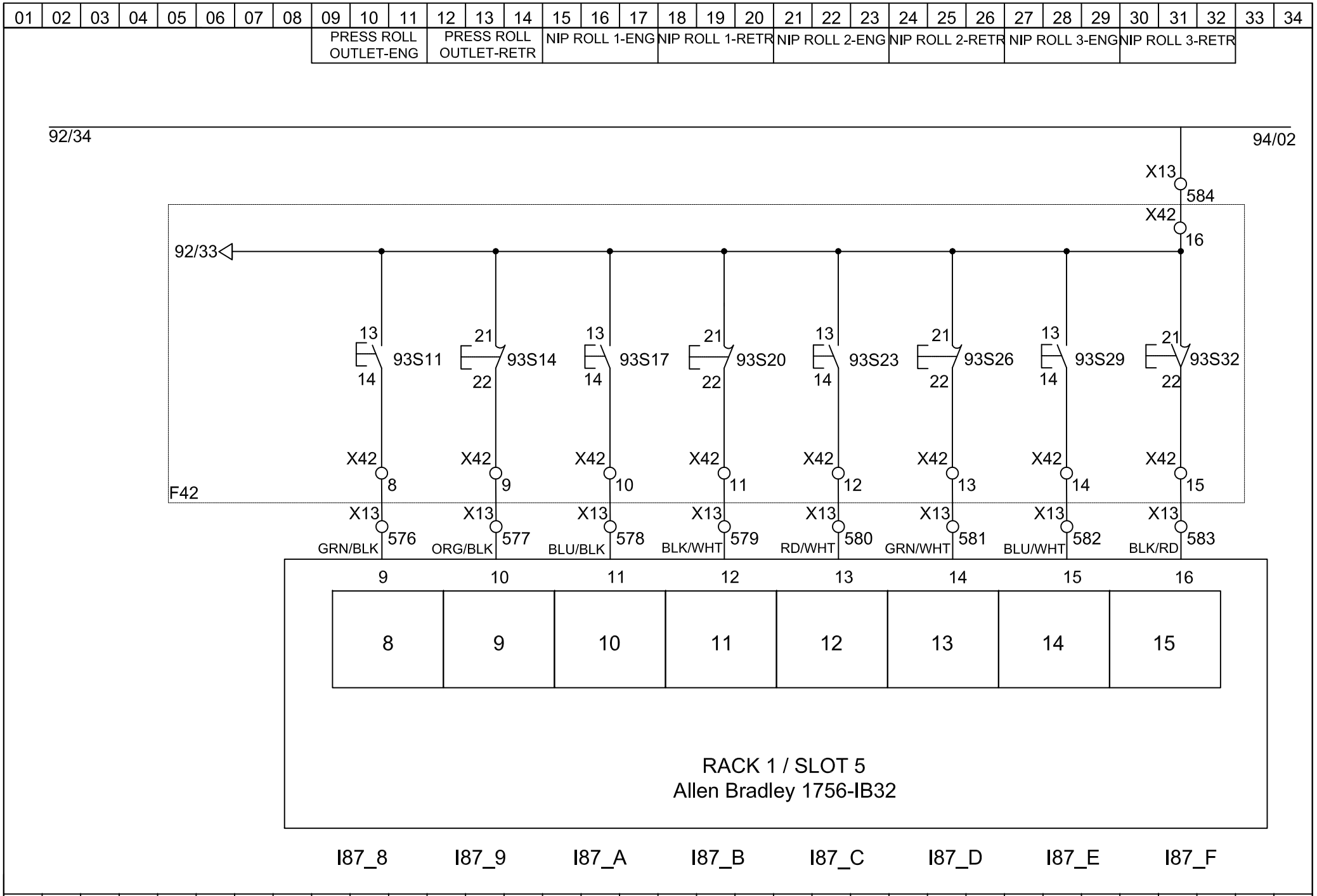
32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	11/22/2023

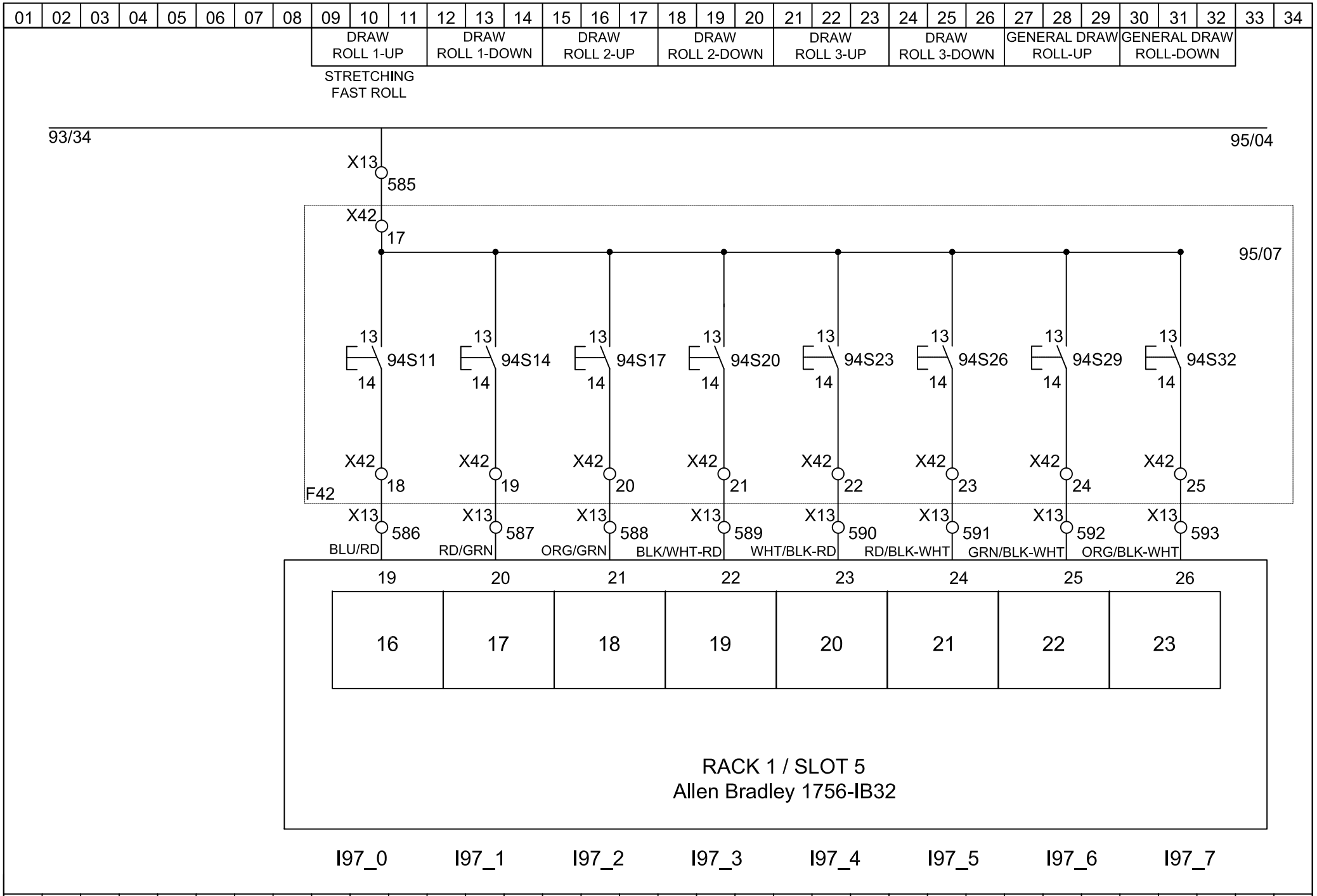
DRAWING DESCRIPTION	KF F13	Page #	91
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	92	
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total		
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.	MATERIAL		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE NONE	UNIT MM	

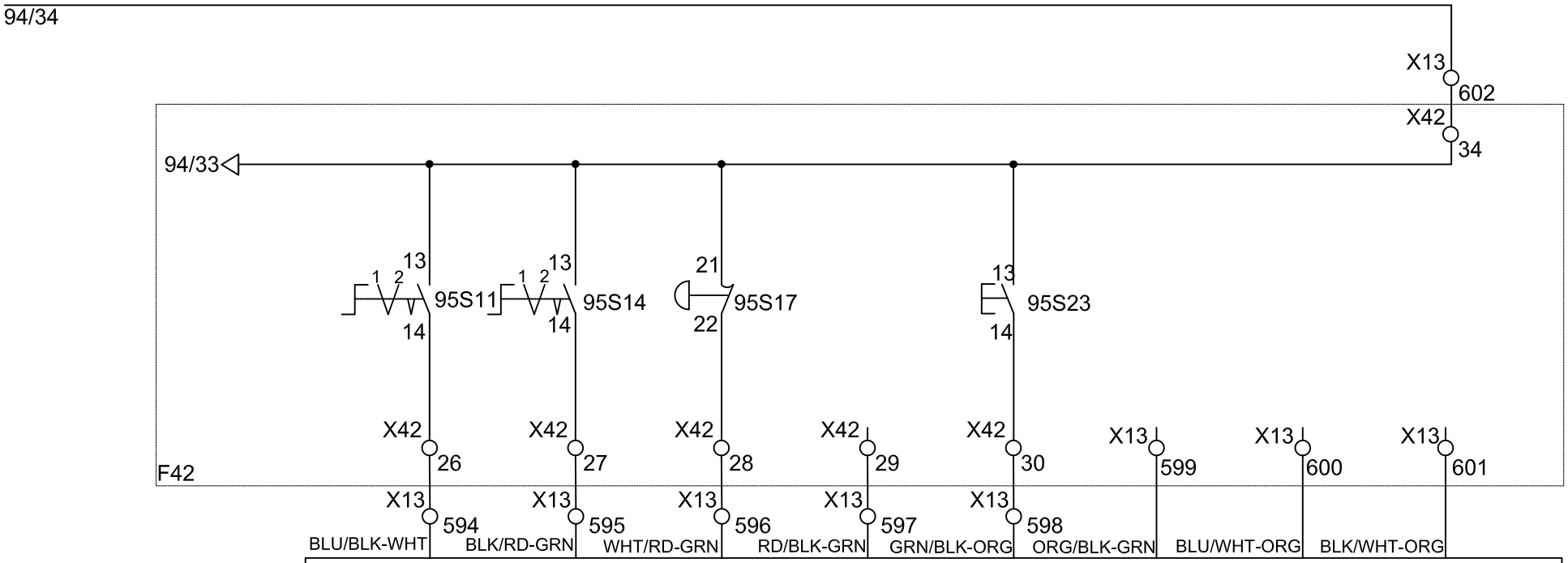


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	93			
								Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT			DRAWING DESCRIPTION	KF F13	Page #	94		
						Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/27/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
								FILM < > 60 MICRO-M			WEB BREAK DETECTOR MDO			MDO STOP			FREE			LAMPS TEST			FREE			FREE			FREE				



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25	26	27	28	29	30	31	32

RACK 1 / SLOT 5
Allen Bradley 1756-IB32

I97_8 I97_9 I97_A I97_B I97_C I97_D I97_E I97_F

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	REDRAWING	Bryan Hong	10/06/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014
Page # 95
Total
MATERIAL
SCALE NONE
UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

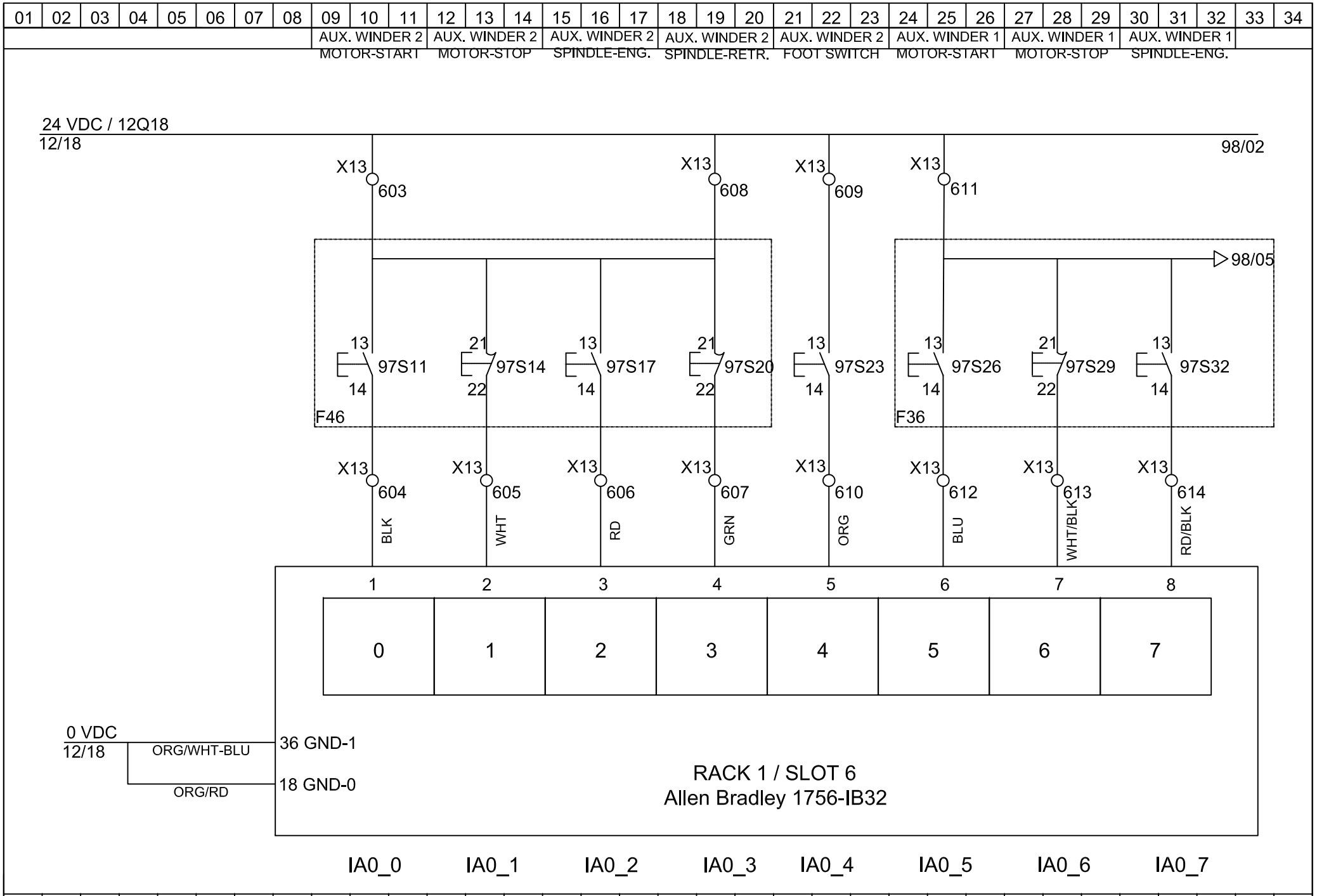
32 P.L.C. DIGITAL INPUT

DRAWN BY	
CHECKED BY	VINCENT HUANG

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION	
DRAWING NO.	
DRAWN DATE:	03-03-2014

Page #	96
Total	
MATERIAL	
SCALE	NONE
UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	97		
									Total			
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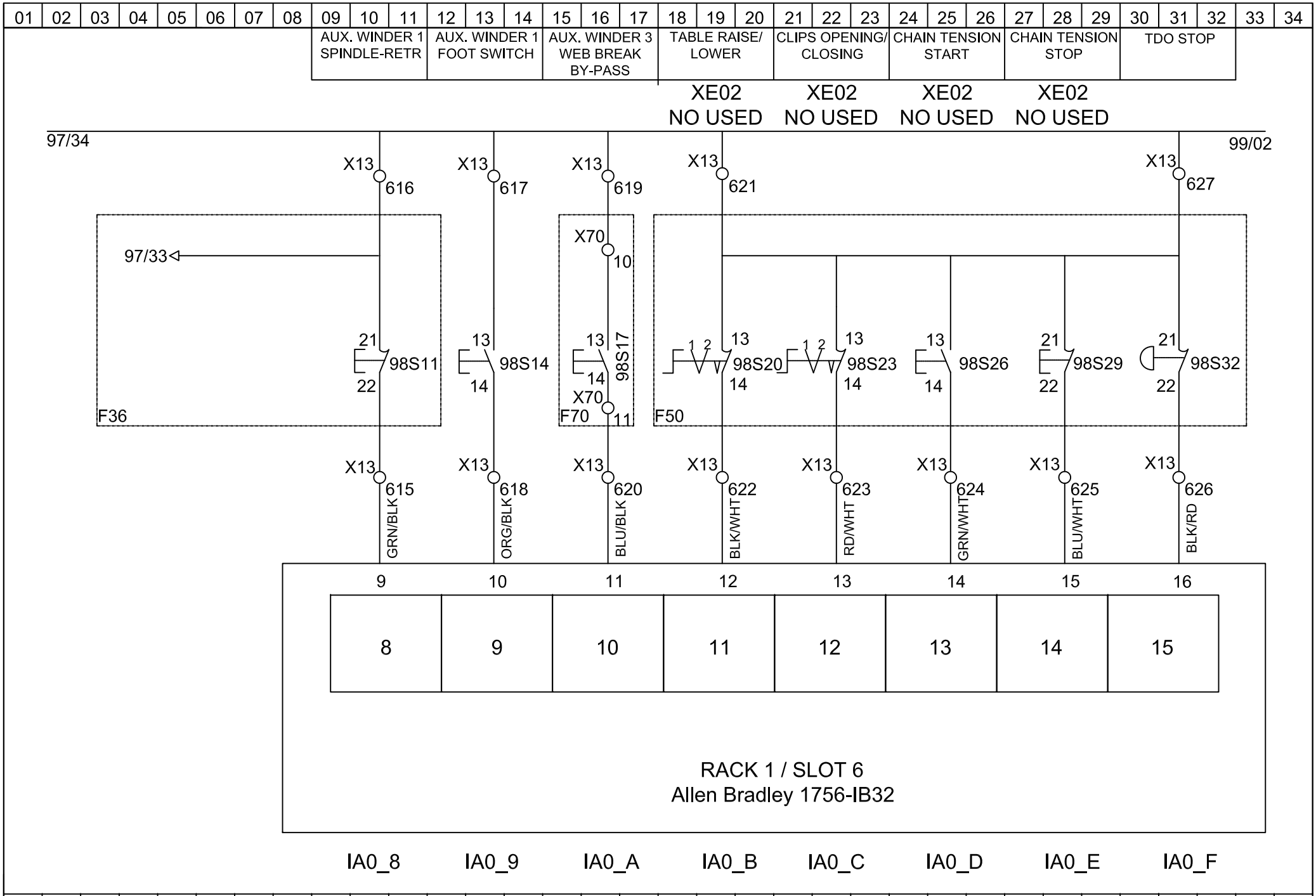

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	98	
							Total		
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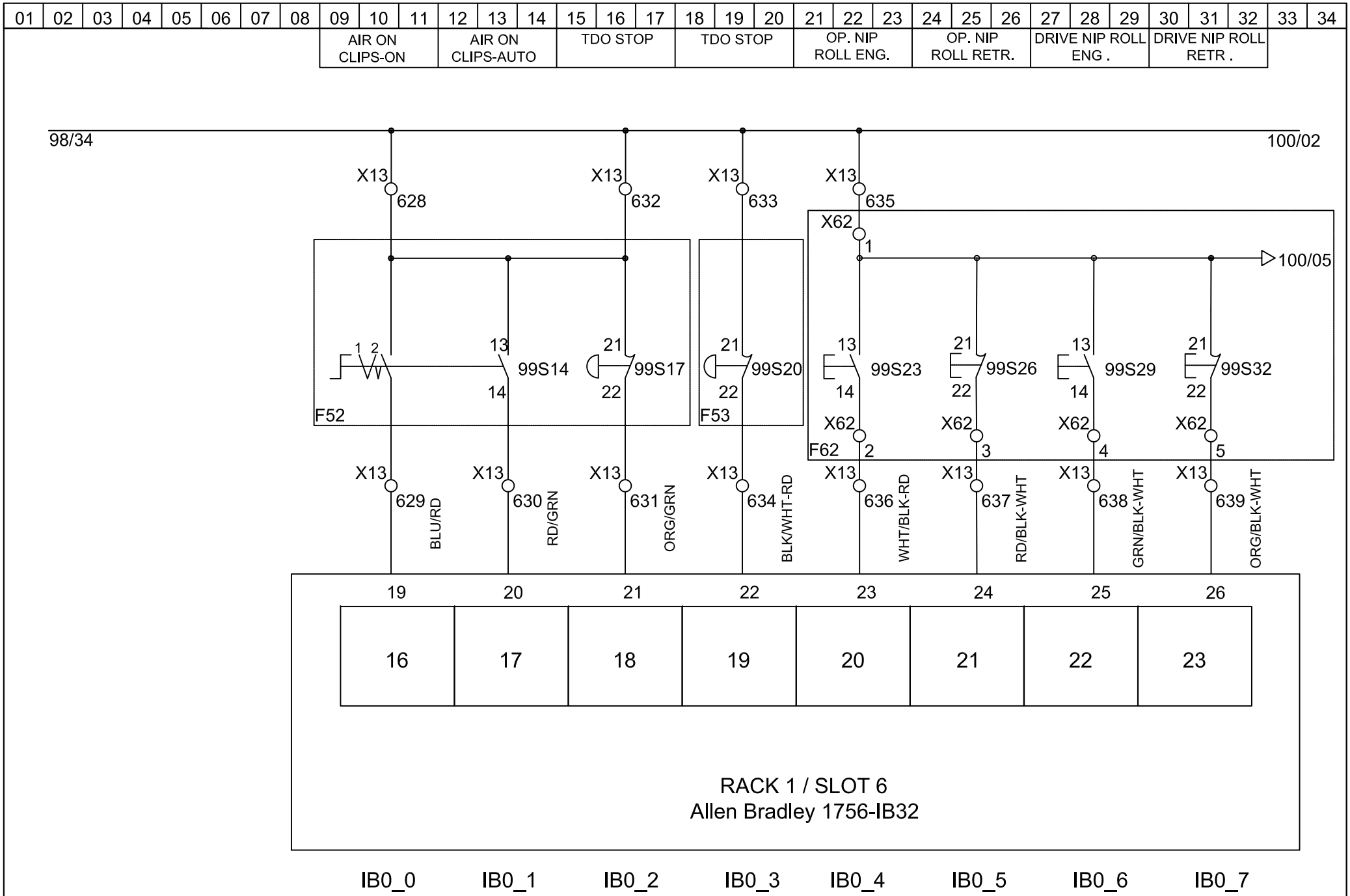
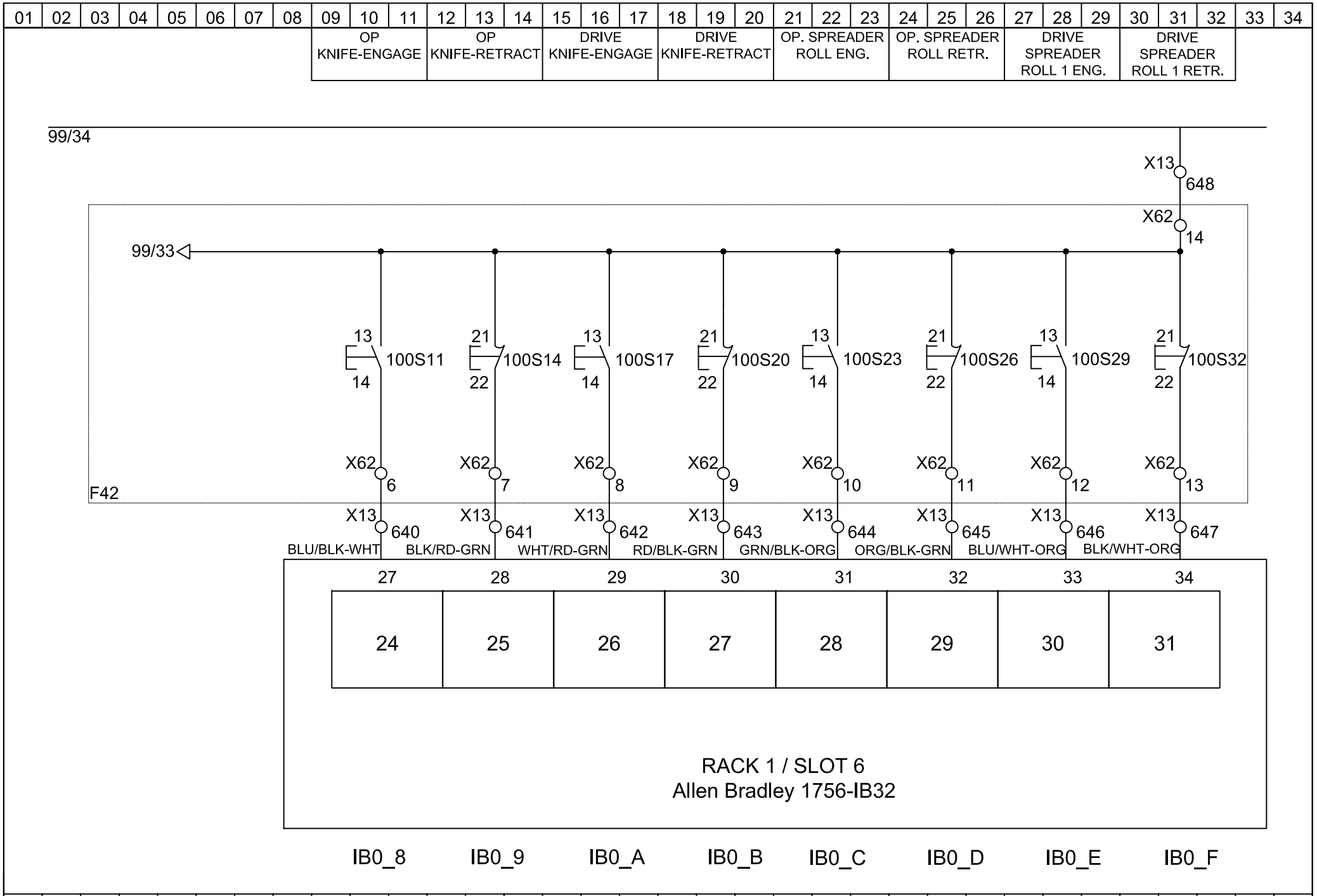
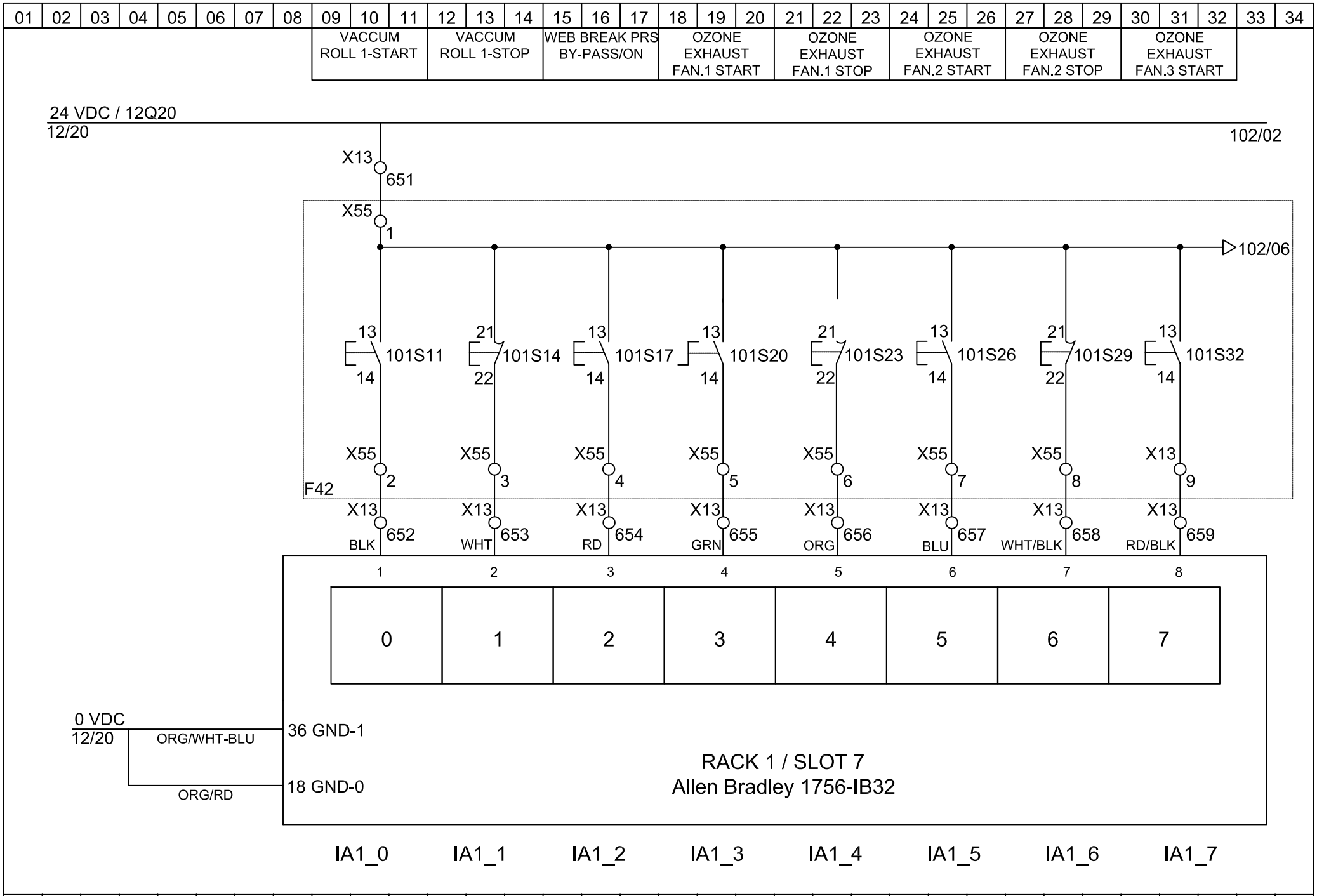

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
AIR ON CLIPS-ON
AIR ON CLIPS-AUTO
TDO STOP
TDO STOP
OP. NIP ROLL ENG.
OP. NIP ROLL RETR.
DRIVE NIP ROLL ENG .
DRIVE NIP ROLL RETR .
98/34
100/02
100/05
X13 628
X13 632
X13 633
X13 635
X62 1
99S14
99S17
99S20
99S23
99S26
99S29
99S32
F52
F53
F62
X62 2
X62 3
X62 4
X62 5
X13 629 BLU/RD
X13 630 RD/GRN
X13 631 ORG/GRN
X13 634 BLK/WHT-RD
X13 636 WHT/BLK-RD
X13 637 RD/BLK-WHT
X13 638 GRN/BLK-WHT
X13 639 ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 6
Allen Bradley 1756-IB32
IB0_0 IB0_1 IB0_2 IB0_3 IB0_4 IB0_5 IB0_6 IB0_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
32 P.L.C. DIGITAL INPUT
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/27/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 99
Total
MATERIAL
SCALE NONE
UNIT MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
OP KNIFE-ENGAGE
OP KNIFE-RETRACT
DRIVE KNIFE-ENGAGE
DRIVE KNIFE-RETRACT
OP. SPREADER ROLL ENG.
OP. SPREADER ROLL RETR.
DRIVE SPREADER ROLL 1 ENG.
DRIVE SPREADER ROLL 1 RETR.
99/34
X13
648
X62
14
99/33
13
100S11
14
21
100S14
22
13
100S17
14
21
100S20
22
13
100S23
14
21
100S26
22
13
100S29
14
21
100S32
22
X62
6
X62
7
X62
8
X62
9
X62
10
X62
11
X62
12
X62
13
F42
X13
640
X13
641
X13
642
X13
643
X13
644
X13
645
X13
646
X13
647
BLU/BLK-WHT
BLK/RD-GRN
WHT/RD-GRN
RD/BLK-GRN
GRN/BLK-ORG
ORG/BLK-GRN
BLU/WHT-ORG
BLK/WHT-ORG
27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31
RACK 1 / SLOT 6
Allen Bradley 1756-IB32
IB0_8 IB0_9 IB0_A IB0_B IB0_C IB0_D IB0_E IB0_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/27/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF
F13
Page # 100
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	101				
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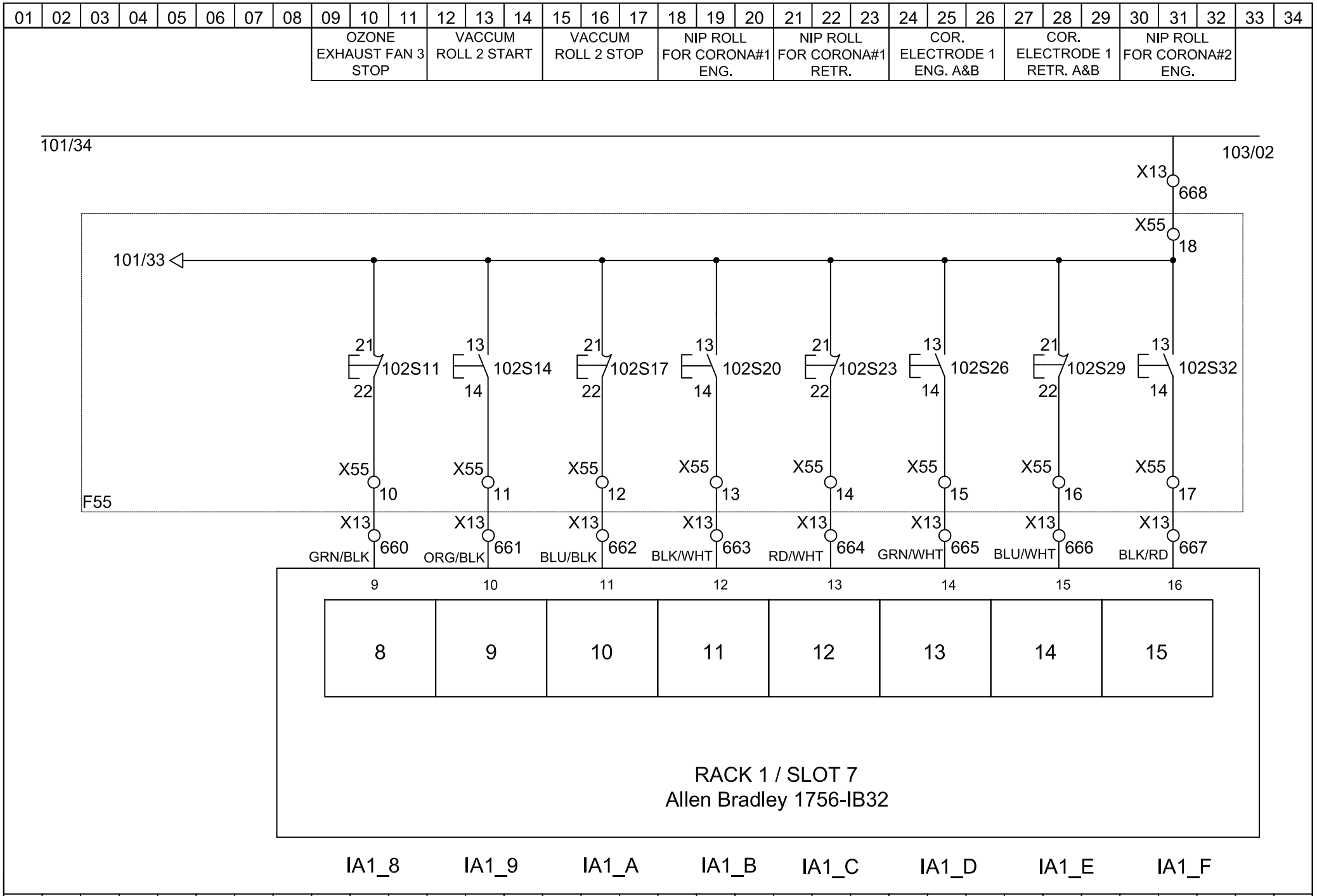

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	102			
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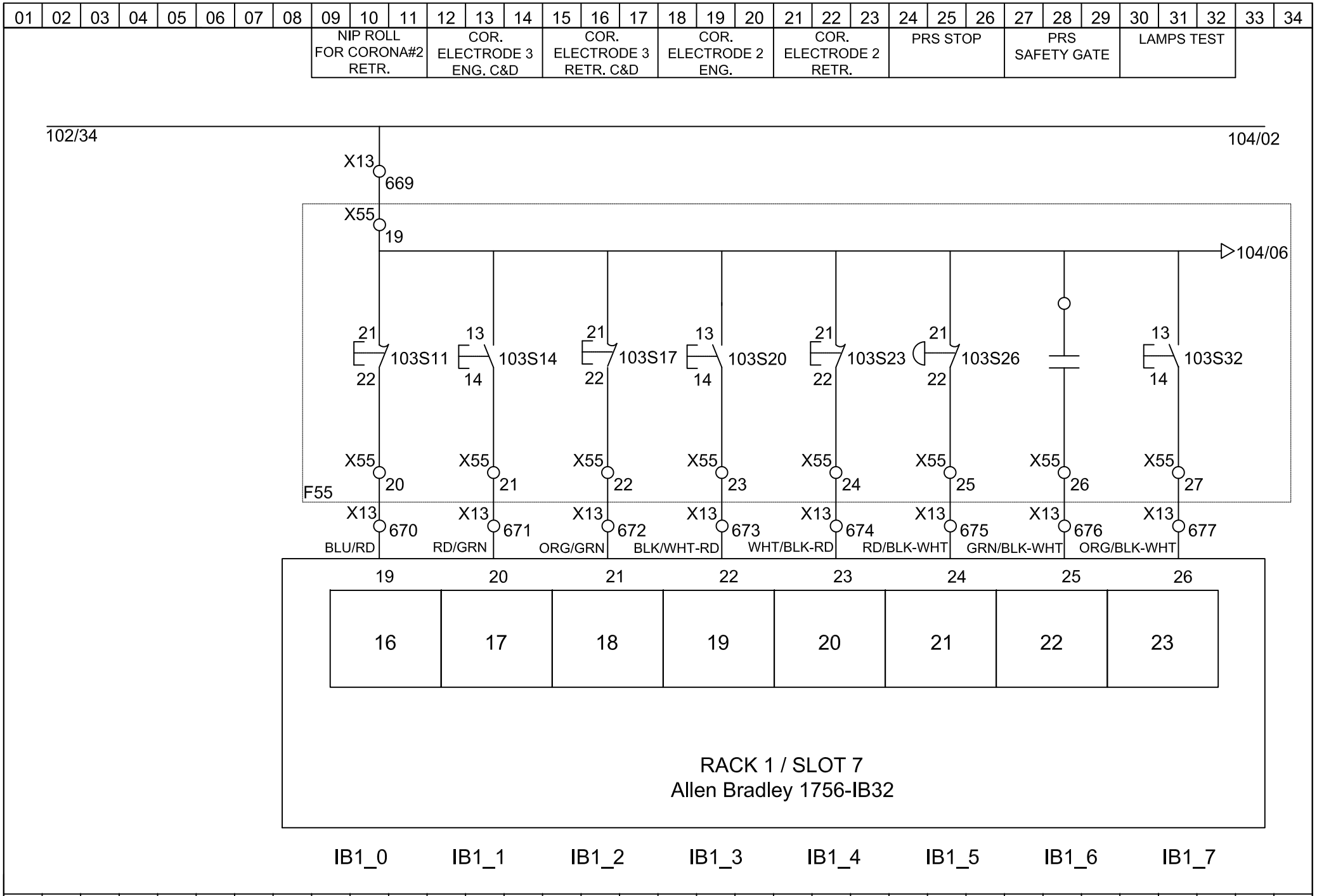
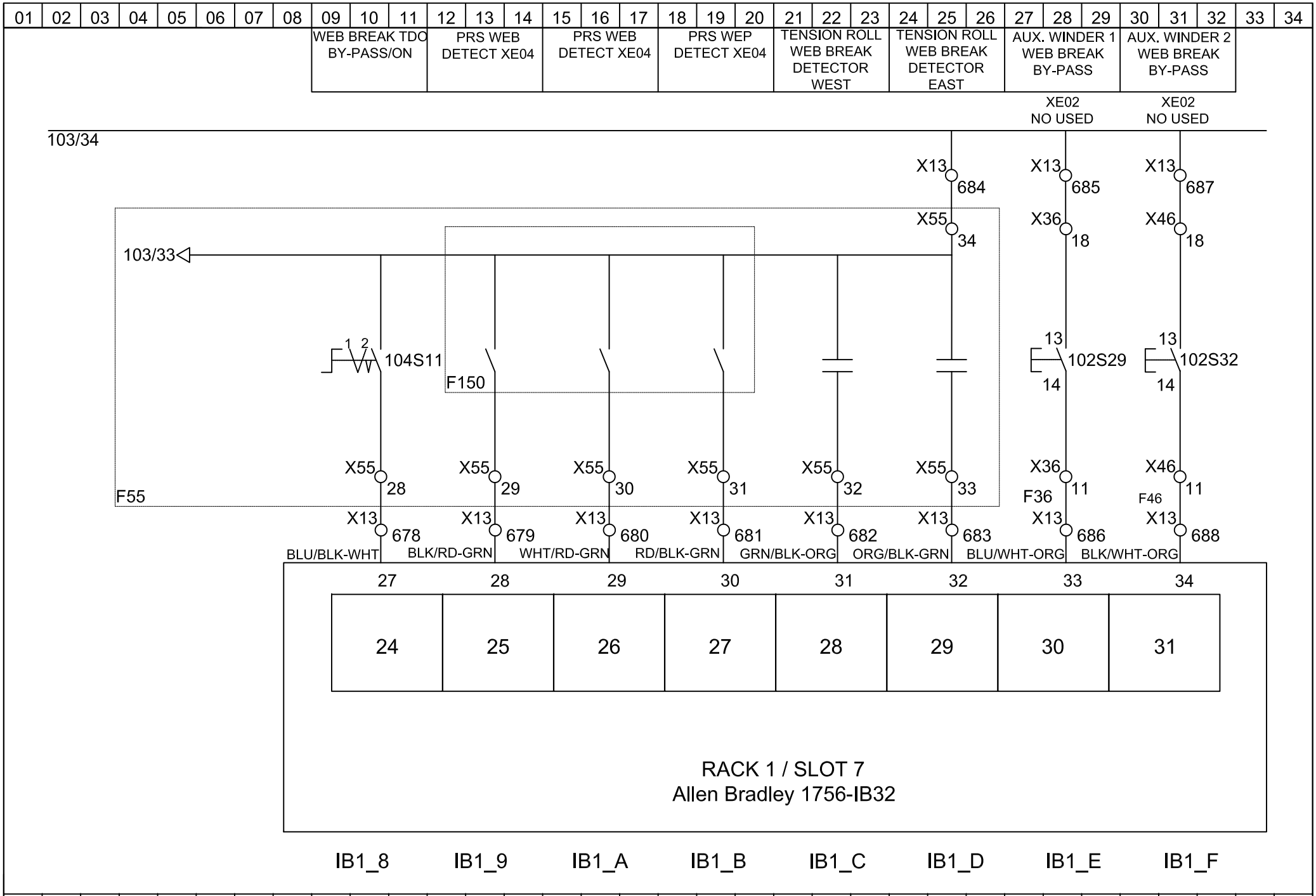

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
NIP ROLL FOR CORONA#2 RETR.
COR. ELECTRODE 3 ENG. C&D
COR. ELECTRODE 3 RETR. C&D
COR. ELECTRODE 2 ENG.
COR. ELECTRODE 2 RETR.
PRS STOP
PRS SAFETY GATE
LAMPS TEST
102/34
104/02
X13
669
X55
19
104/06
21
22
103S11
13
14
103S14
21
22
103S17
13
14
103S20
21
22
103S23
21
22
103S26
13
14
103S32
X55
20
21
22
23
24
25
26
27
F55
X13
670
671
672
673
674
675
676
677
BLU/RD
RD/GRN
ORG/GRN
BLK/WHT-RD
WHT/BLK-RD
RD/BLK-WHT
GRN/BLK-WHT
ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 7
Allen Bradley 1756-IB32
IB1_0 IB1_1 IB1_2 IB1_3 IB1_4 IB1_5 IB1_6 IB1_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
REV. NO 1
REV. DESCRIPTION UPGRADE TO AB
REV. BY: Bryan Hong
REV. DATE 11/28/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 103
Total
MATERIAL
SCALE NONE
UNIT MM



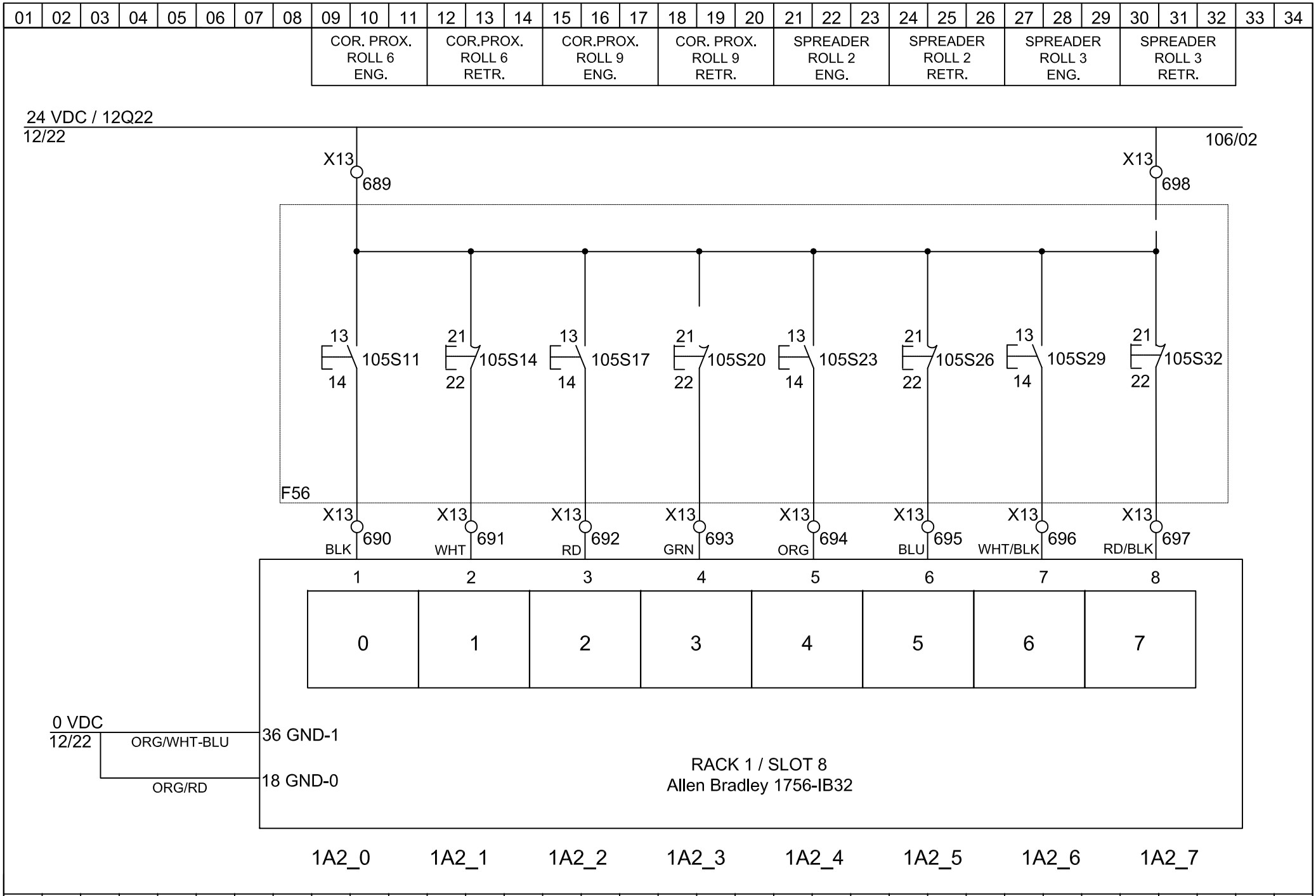
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

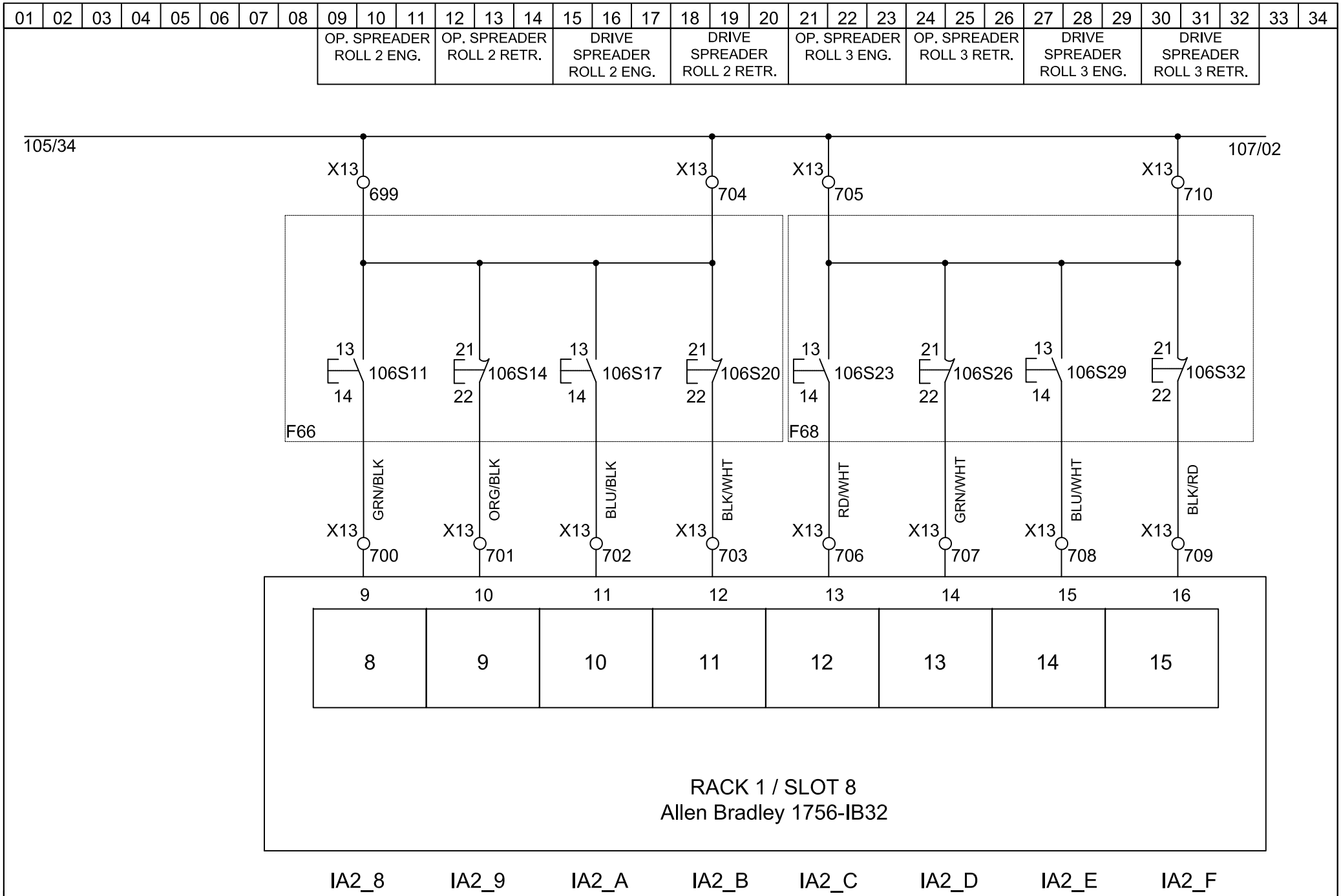
32 P.L.C. DIGITAL INPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025
1	UPGRADE TO AB	Bryan Hong	11/28/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.
DRAWN DATE: 03-03-2014
Page # 104
Total
MATERIAL
SCALE NONE
UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	105		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/29/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT			DRAWING DESCRIPTION	KF F13	Page #	106						
						Total							
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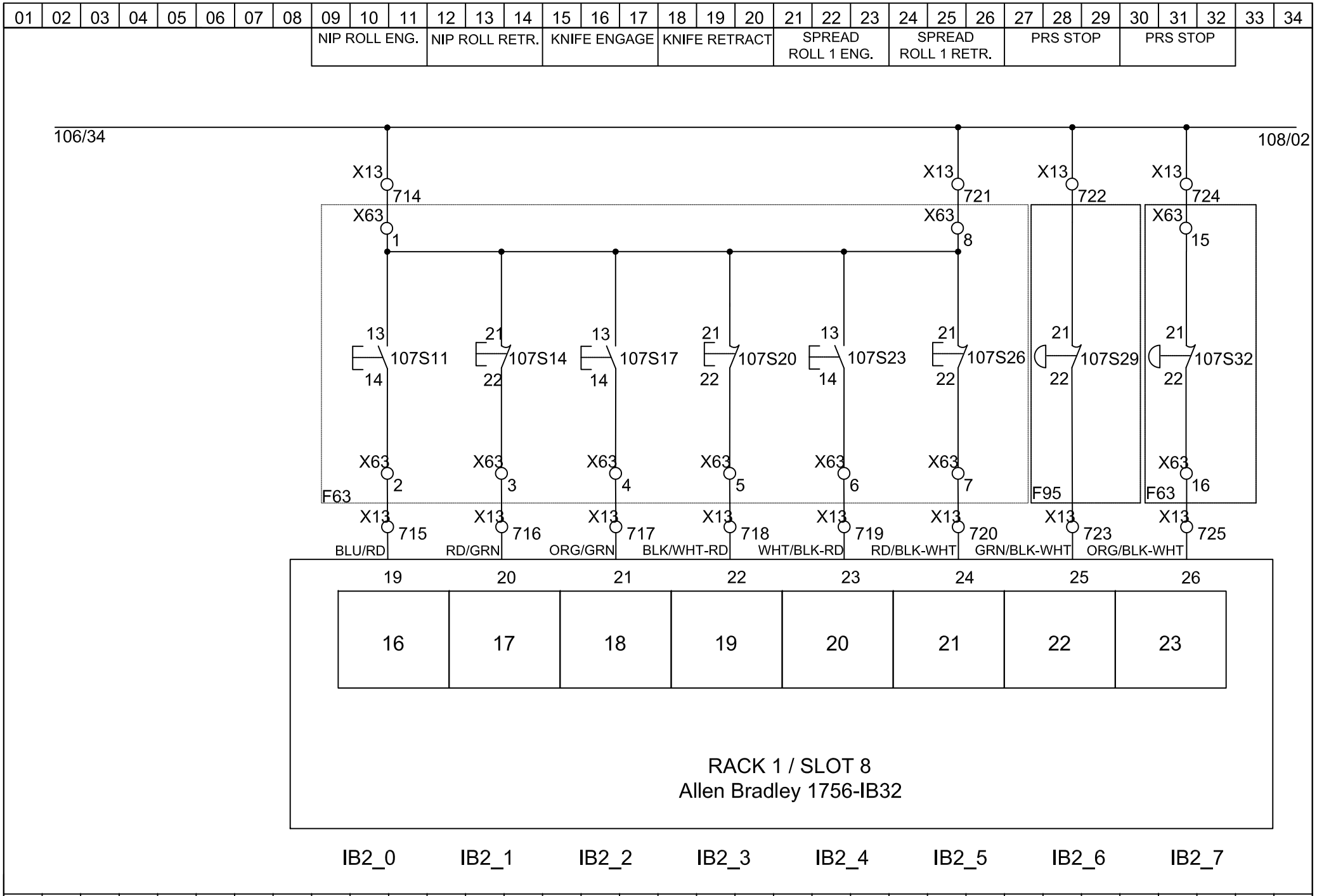
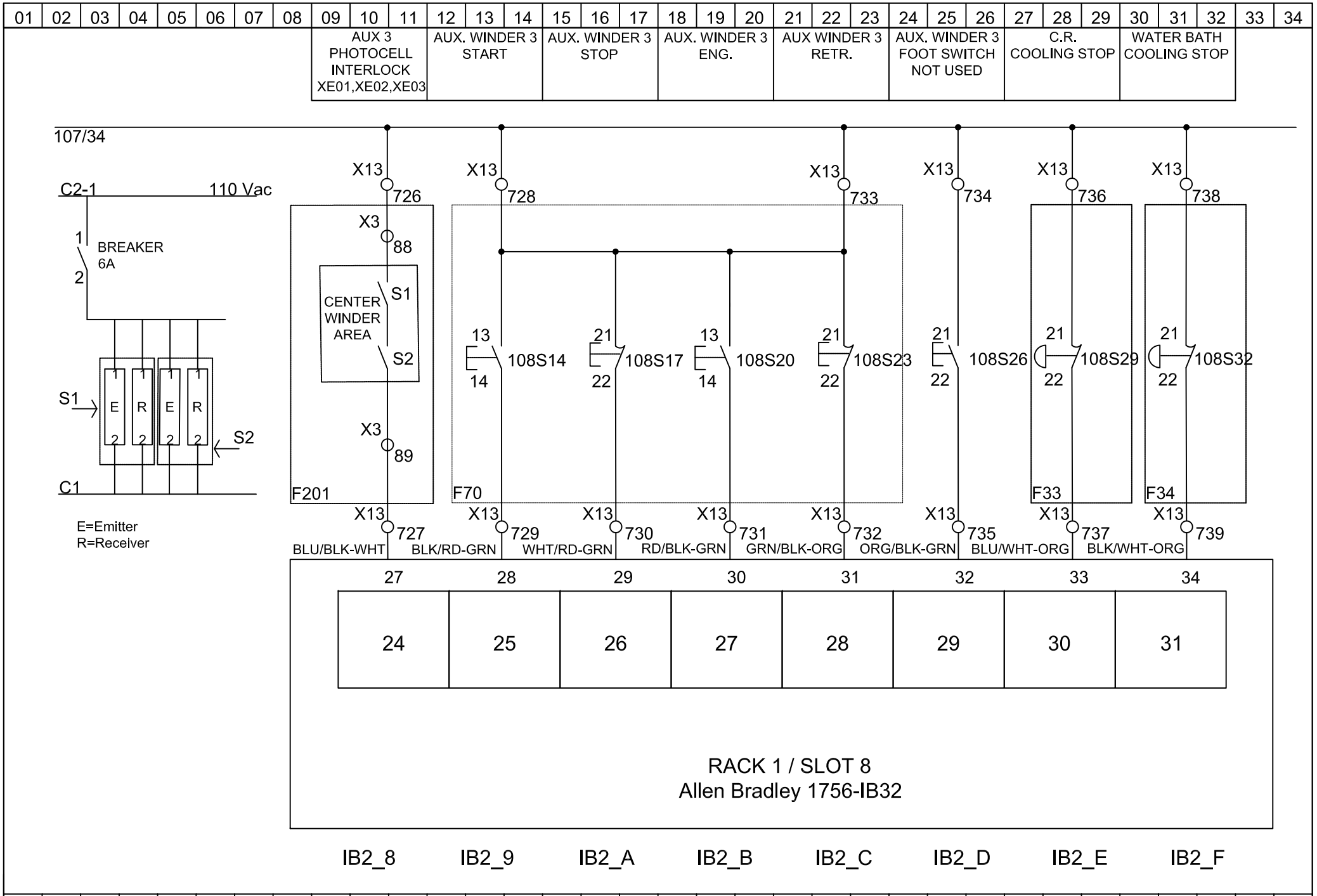

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
NIP ROLL ENG.
NIP ROLL RETR.
KNIFE ENGAGE
KNIFE RETRACT
SPREAD ROLL 1 ENG.
SPREAD ROLL 1 RETR.
PRS STOP
PRS STOP
106/34
108/02
X13 714
X63 1
X13 721
X63 8
X13 722
X13 724
X63 15
13 107S11 14
21 107S14 22
13 107S17 14
21 107S20 22
13 107S23 14
21 107S26 22
21 107S29 22
21 107S32 22
X63 2
X63 3
X63 4
X63 5
X63 6
X63 7
X63 16
F63
F95
F63
X13 715 BLU/RD
X13 716 RD/GRN
X13 717 ORG/GRN
X13 718 BLK/WHT-RD
X13 719 WHT/BLK-RD
X13 720 RD/BLK-WHT
X13 723 GRN/BLK-WHT
X13 725 ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 8
Allen Bradley 1756-IB32
IB2_0 IB2_1 IB2_2 IB2_3 IB2_4 IB2_5 IB2_6 IB2_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/29/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 107
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	108A	
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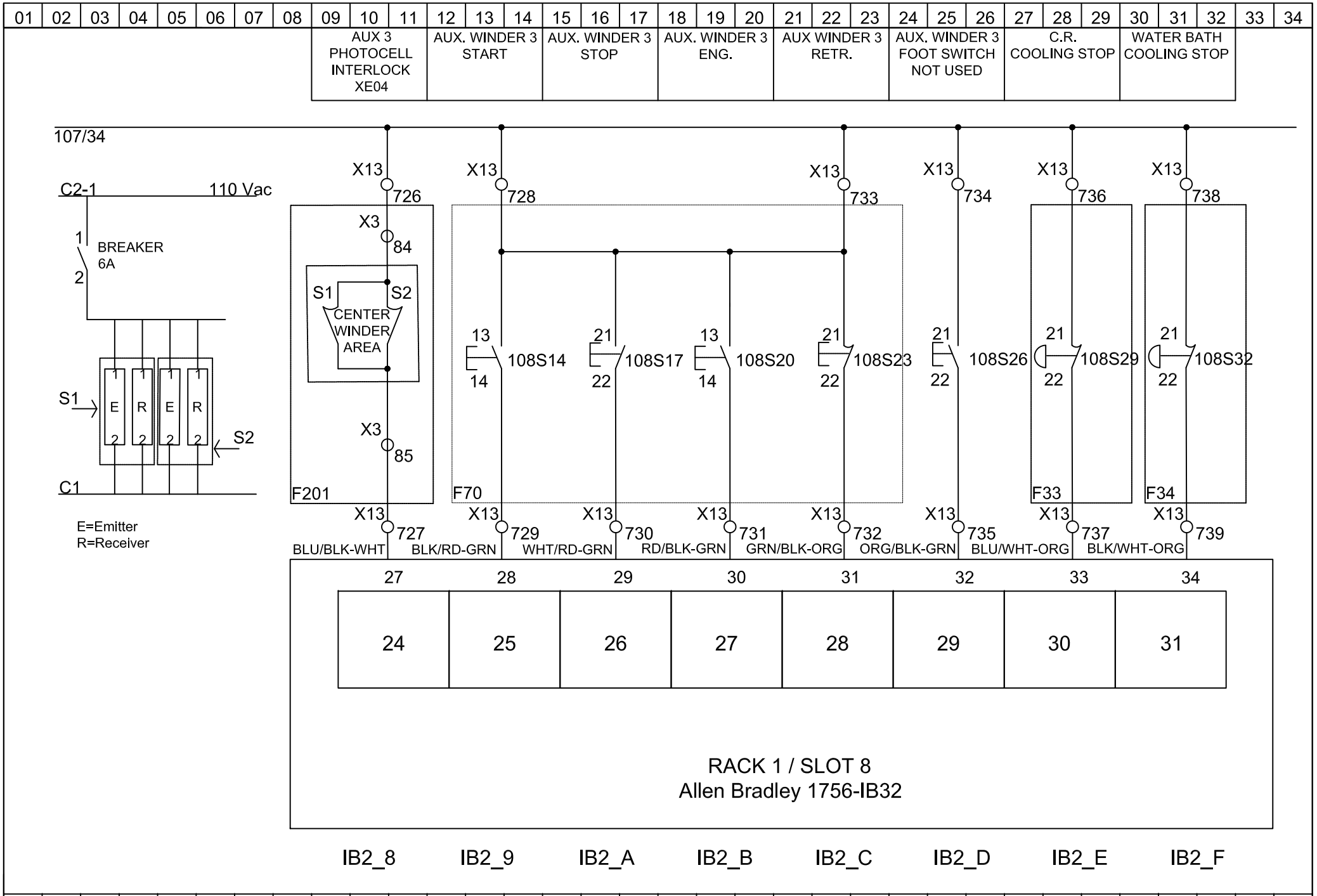

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	108B	
							Total		
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

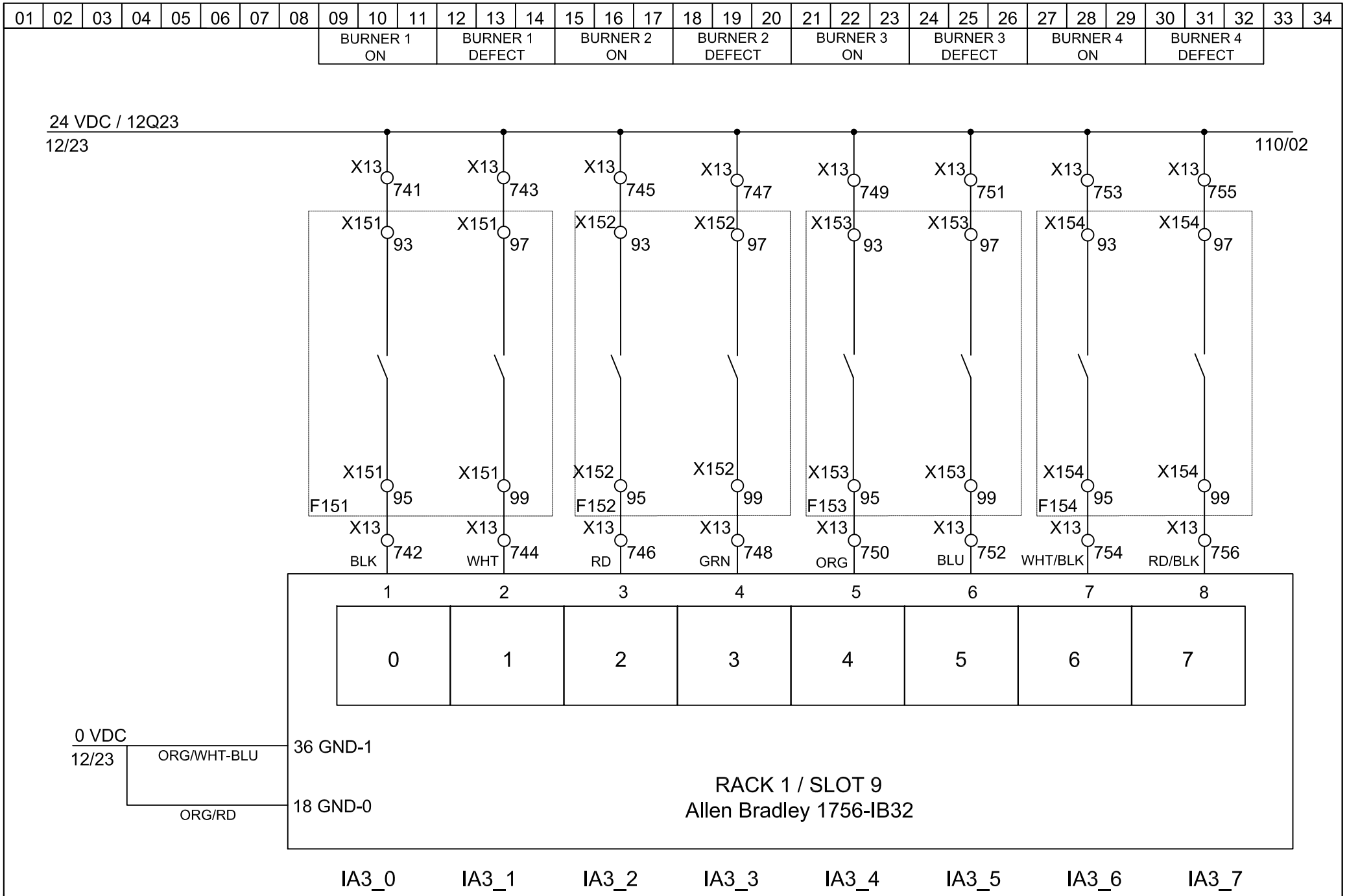
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

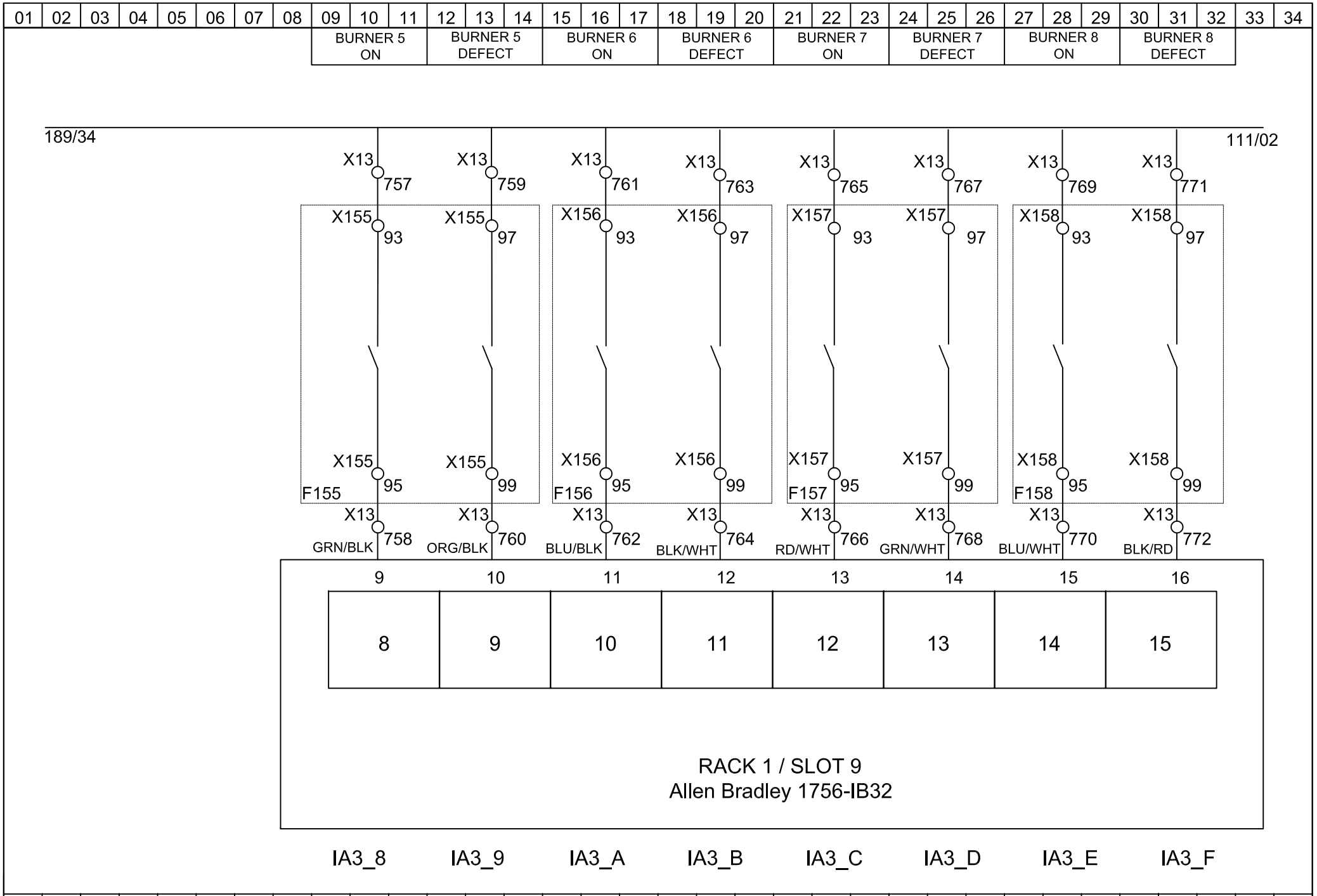
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
BURNER 1 ON
BURNER 1 DEFECT
BURNER 2 ON
BURNER 2 DEFECT
BURNER 3 ON
BURNER 3 DEFECT
BURNER 4 ON
BURNER 4 DEFECT
24 VDC / 12Q23
12/23
110/02
X13 741
X13 743
X13 745
X13 747
X13 749
X13 751
X13 753
X13 755
X151 93
X151 97
X152 93
X152 97
X153 93
X153 97
X154 93
X154 97
X151 95
X151 99
X152 95
X152 99
X153 95
X153 99
X154 95
X154 99
F151
F152
F153
F154
X13 742 BLK
X13 744 WHT
X13 746 RD
X13 748 GRN
X13 750 ORG
X13 752 BLU
X13 754 WHT/BLK
X13 756 RD/BLK
1 2 3 4 5 6 7 8
0 1 2 3 4 5 6 7
0 VDC
12/23
ORG/WHT-BLU
ORG/RD
36 GND-1
18 GND-0
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IA3_0 IA3_1 IA3_2 IA3_3 IA3_4 IA3_5 IA3_6 IA3_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/30/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 109
Total
MATERIAL
SCALE NONE UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT			DRAWING DESCRIPTION	KF F13	Page #	110		
						Total			
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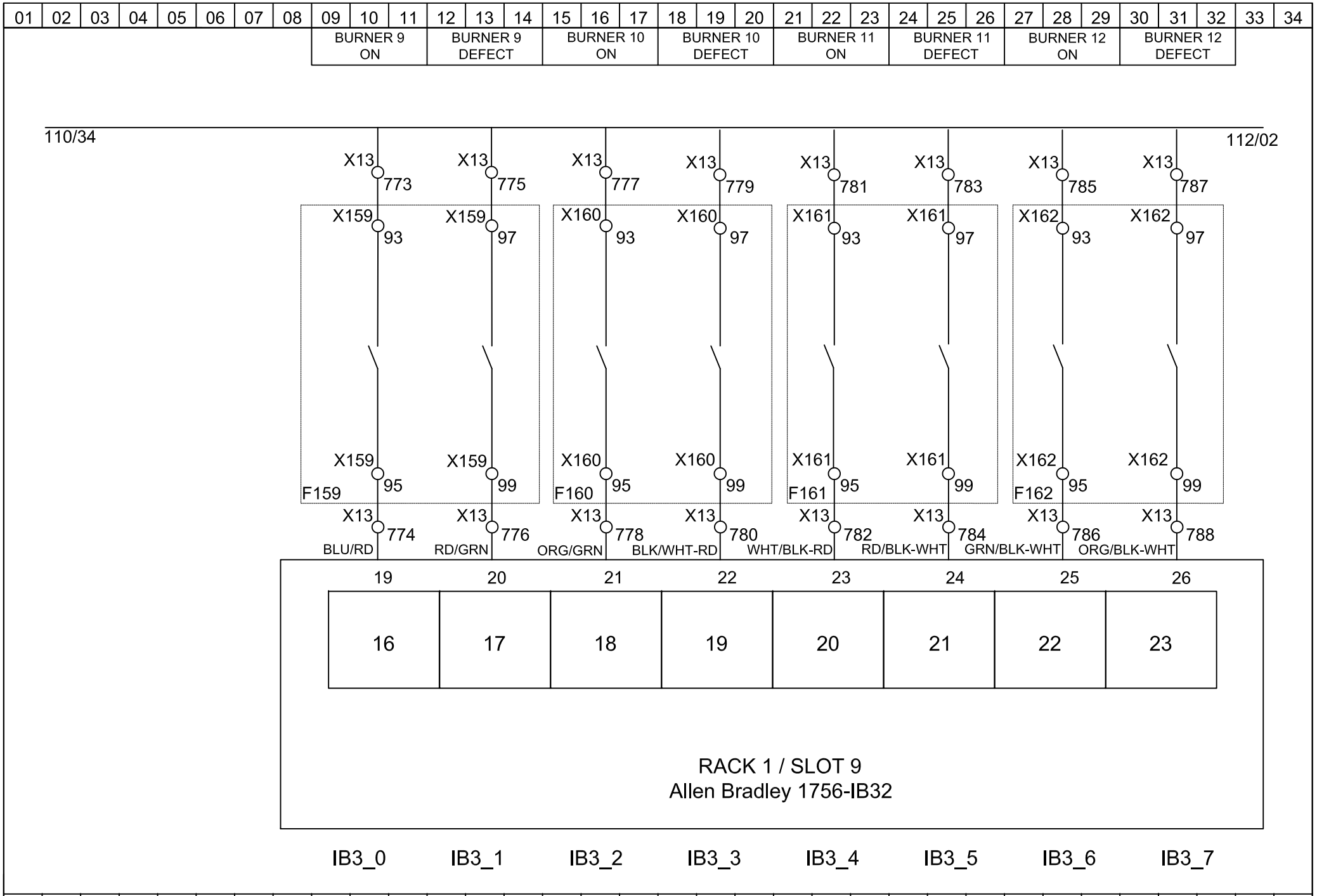
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE NONE	UNIT MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
BURNER 9 ON
BURNER 9 DEFECT
BURNER 10 ON
BURNER 10 DEFECT
BURNER 11 ON
BURNER 11 DEFECT
BURNER 12 ON
BURNER 12 DEFECT
110/34
112/02
X13 773
X13 775
X13 777
X13 779
X13 781
X13 783
X13 785
X13 787
X159 93
X159 97
X160 93
X160 97
X161 93
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X162 93
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X162 95
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F159
F160
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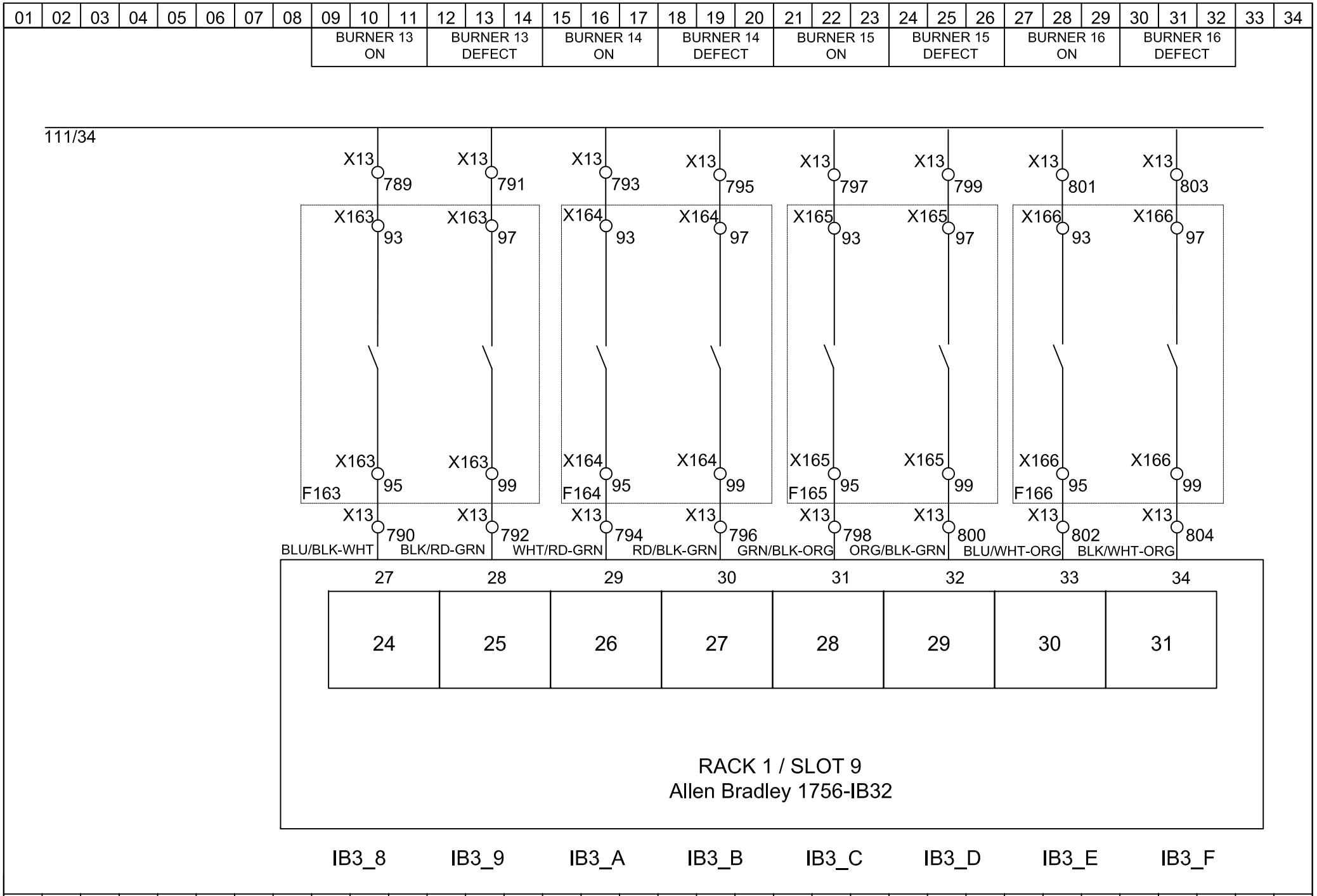
F162
X13 774
X13 776
X13 778
X13 780
X13 782
X13 784
X13 786
X13 788
BLU/RD
RD/GRN
ORG/GRN
BLK/WHT-RD
WHT/BLK-RD
RD/BLK-WHT
GRN/BLK-WHT
ORG/BLK-WHT
19 20 21 22 23 24 25 26
16 17 18 19 20 21 22 23
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IB3_0
IB3_1
IB3_2
IB3_3
IB3_4
IB3_5
IB3_6
IB3_7
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
1 UPGRADE TO AB Bryan Hong 11/30/2023
REV. NO REV. DESCRIPTION REV. BY: REV. DATE
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 111
Total
MATERIAL
SCALE NONE UNIT MM


01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
BURNER 13 ON
BURNER 13 DEFECT
BURNER 14 ON
BURNER 14 DEFECT
BURNER 15 ON
BURNER 15 DEFECT
BURNER 16 ON
BURNER 16 DEFECT
111/34
X13 789
X13 791
X13 793
X13 795
X13 797
X13 799
X13 801
X13 803
X163 93
X163 97
X164 93
X164 97
X165 93
X165 97
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F165
F166
X13 790
X13 792
X13 794
X13 796
X13 798
X13 800
X13 802
X13 804
BLU/BLK-WHT
BLK/RD-GRN
WHT/RD-GRN
RD/BLK-GRN
GRN/BLK-ORG
ORG/BLK-GRN
BLU/WHT-ORG
BLK/WHT-ORG
27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31
RACK 1 / SLOT 9
Allen Bradley 1756-IB32
IB3_8
IB3_9
IB3_A
IB3_B
IB3_C
IB3_D
IB3_E
IB3_F
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY
JEFF LEE
CHECKED BY
VINCENT HUANG
1
UPGRADE TO AB
Bryan Hong
11/30/2023
REV. NO
REV. DESCRIPTION
REV. BY:
REV. DATE
DRAWING DESCRIPTION
KF
F13
DRAWING NO.
DRAWN DATE:
03-03-2014
Page #
112
Total
MATERIAL
SCALE
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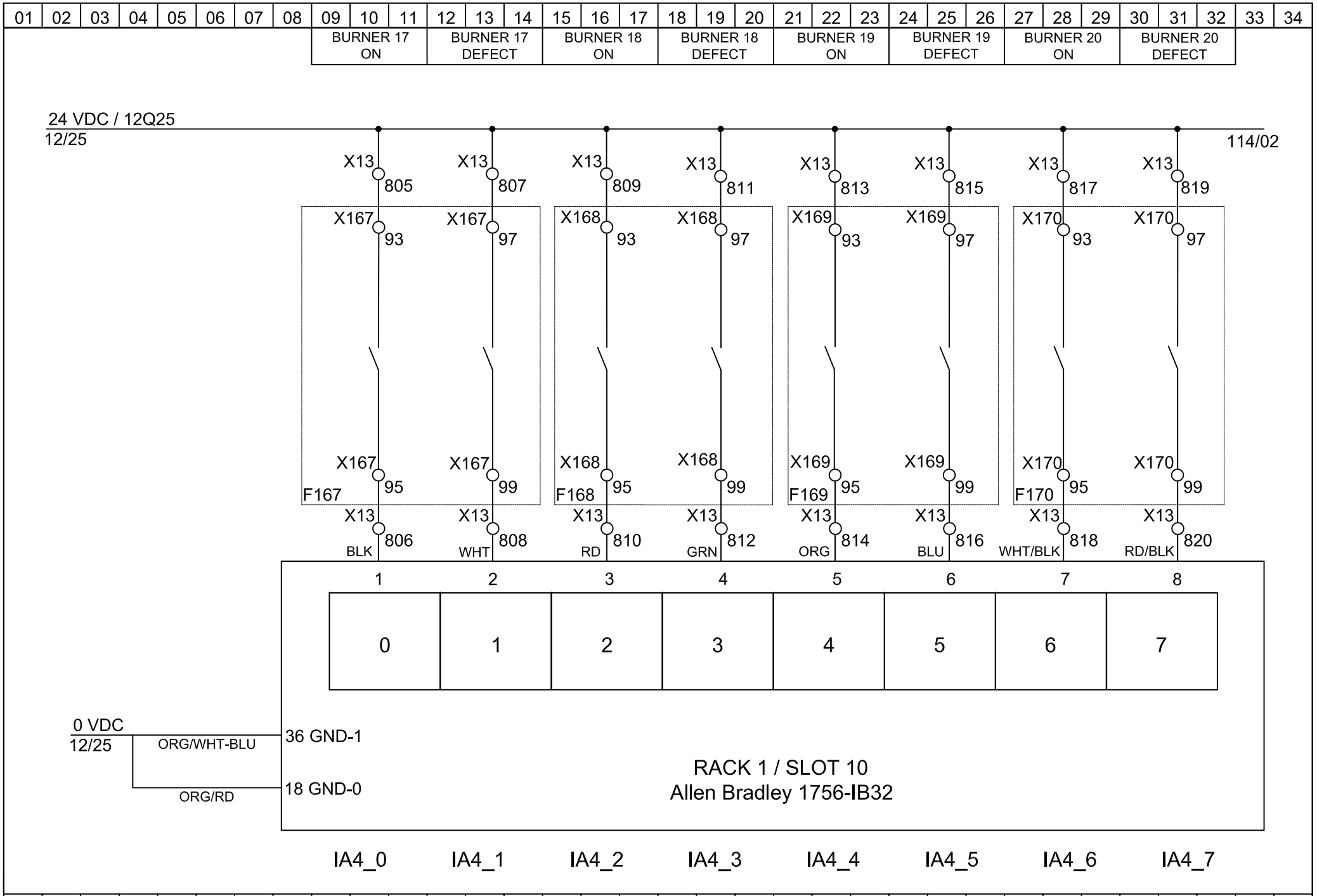
UNIT
MM



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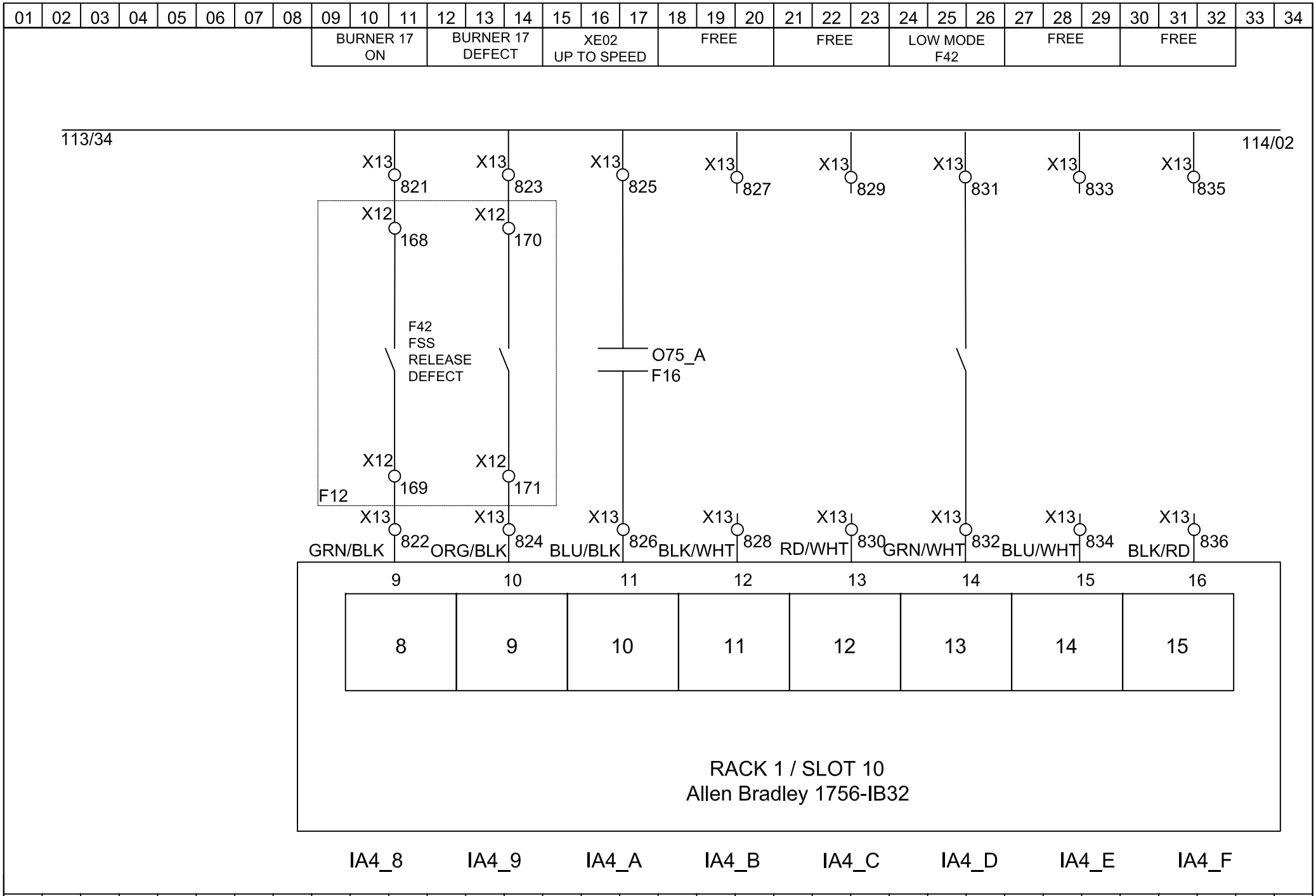
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BURNER 17 ON
BURNER 17 DEFECT
XE02 UP TO SPEED
FREE
FREE
LOW MODE F42
FREE
FREE
113/34
114/02
X13 821
X13 823
X13 825
X13 827
X13 829
X13 831
X13 833
X13 835
X12 168
X12 170
F42 FSS RELEASE DEFECT
O75_A
F16
X12 169
X12 171
F12
X13 822
X13 824
X13 826
X13 828
X13 830
X13 832
X13 834
X13 836
GRN/BLK
ORG/BLK
BLU/BLK
BLK/WHT
RD/WHT
GRN/WHT
BLU/WHT
BLK/RD
9 10 11 12 13 14 15 16
8 9 10 11 12 13 14 15
RACK 1 / SLOT 10
Allen Bradley 1756-IB32
IA4_8
IA4_9
IA4_A
IA4_B
IA4_C
IA4_D
IA4_E
IA4_F
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.
32 P.L.C. DIGITAL INPUT
DRAWN BY JEFF LEE
CHECKED BY VINCENT HUANG
REV. NO
REV. DESCRIPTION
REV. BY:
REV. DATE
1 LINE1 F13 UPGRADE Leo Lin 01/23/2025
1 UPGRADE TO AB Bryan Hong 11/30/2023
DRAWING DESCRIPTION
DRAWING NO.
DRAWN DATE: 03-03-2014
KF F13
Page # 114
Total
MATERIAL
SCALE NONE
UNIT MM

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								FREE			FREE			FREE			FREE			FREE			FREE			FREE			FREE				

114/34 116/02

X13 837 X13 839 X13 841 X13 843 X13 845 X13 847 X13 849 X13 851

X13 838 BLU/RD X13 840 RD/GRN X13 842 ORG/GRN X13 844 BLK/WHT-RD X13 846 WHT/BLK-RD X13 848 RD/BLK-WHT X13 850 GRN/BLK-WHT X13 852 ORG/BLK-WHT

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16	17	18	19	20	21	22	23

RACK 1 / SLOT 10
Allen Bradley 1756-IB32

IB4_0 IB4_1 IB4_2 IB4_3 IB4_4 IB4_5 IB4_6 IB4_7

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

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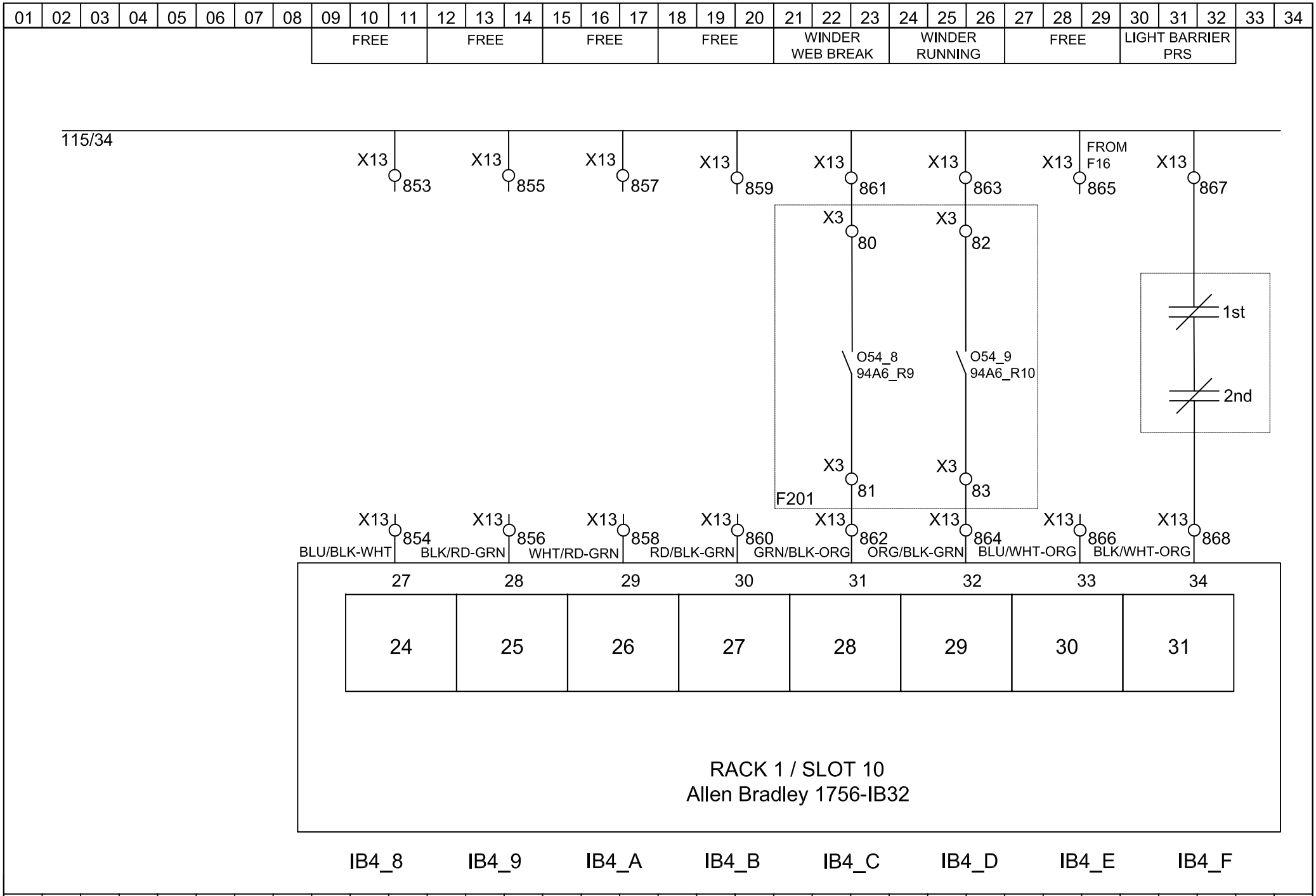
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	116	
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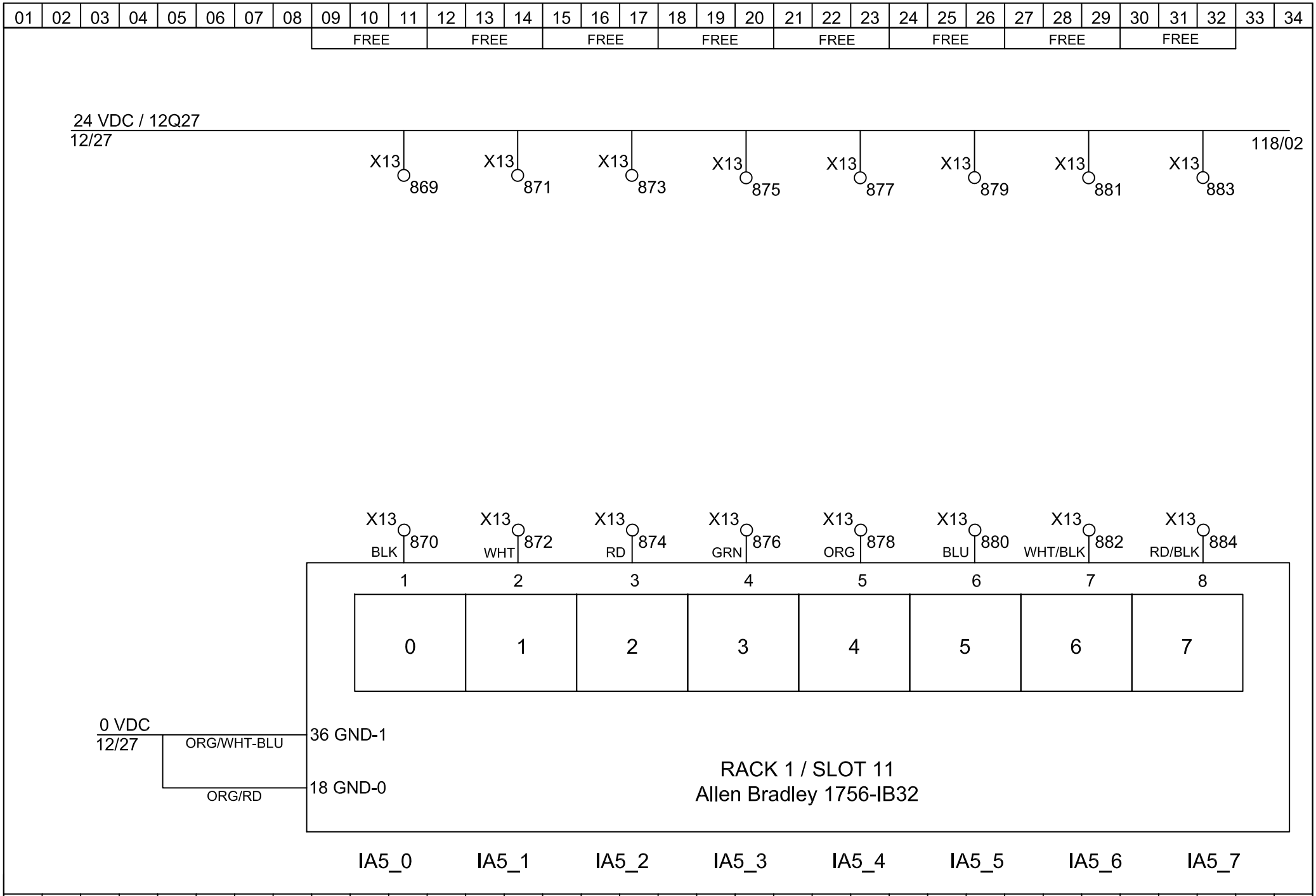
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	117	
							Total		
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
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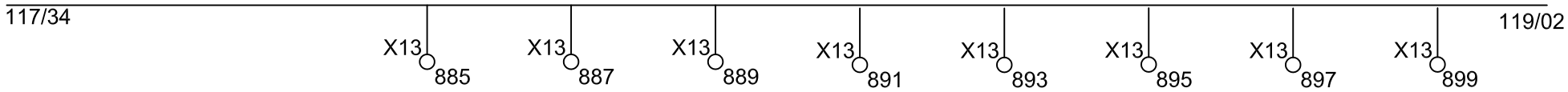

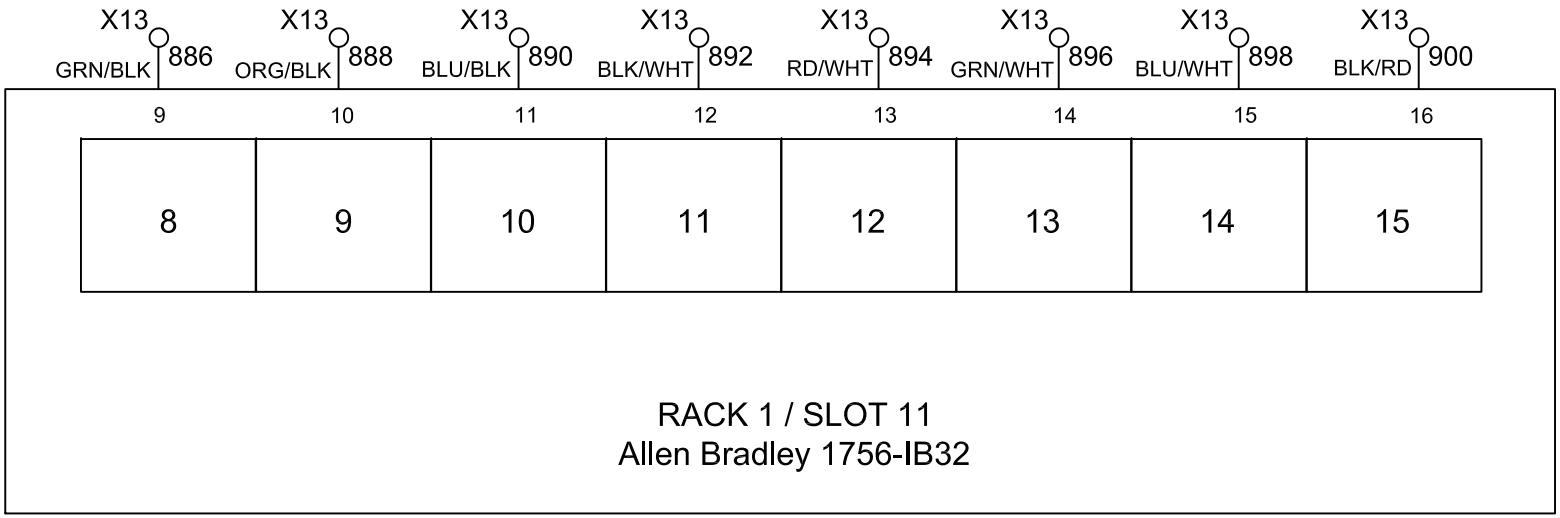

IA5_8 IA5_9 IA5_A IA5_B IA5_C IA5_D IA5_E IA5_F

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	118			
								Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	11/30/2023	DRAWING NO.		MATERIAL				
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM	

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118/34 120/02

X13 901 X13 903 X13 905 X13 907 X13 909 X13 911 X13 913 X13 915

X13 902 BLU/RD X13 904 RD/GRN X13 906 ORG/GRN X13 908 BLK/WHT-RD X13 910 WHT/BLK-RD X13 912 RD/BLK-WHT X13 914 GRN/BLK-WHT X13 916 ORG/BLK-WHT

19	20	21	22	23	24	25	26
16	17	18	19	20	21	22	23

RACK 1 / SLOT 11
Allen Bradley 1756-IB32

IB5_0 IB5_1 IB5_2 IB5_3 IB5_4 IB5_5 IB5_6 IB5_7

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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL INPUT

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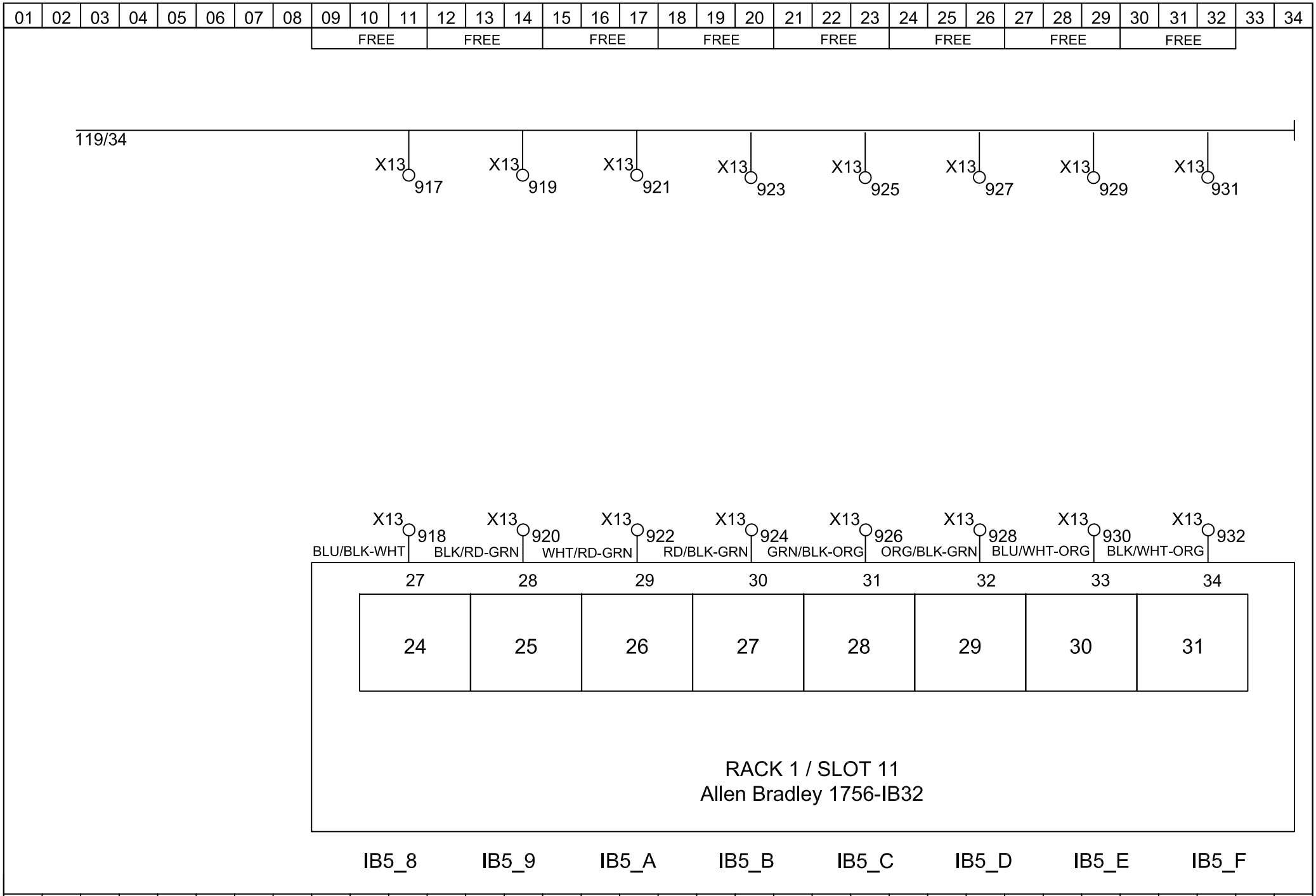
								UNIT	MM



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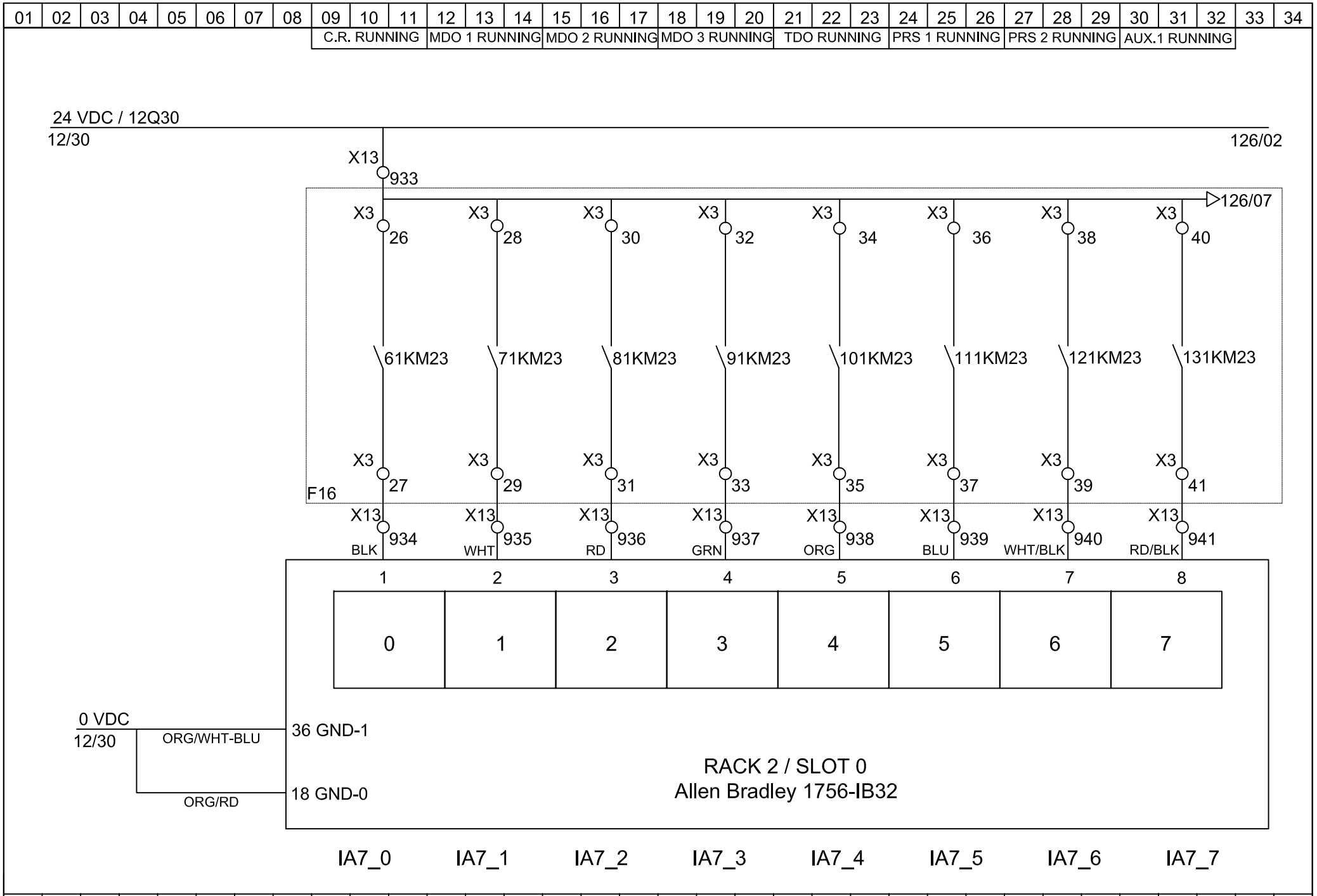

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	125			
									Total				
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/01/2023	DRAWING NO.		MATERIAL				
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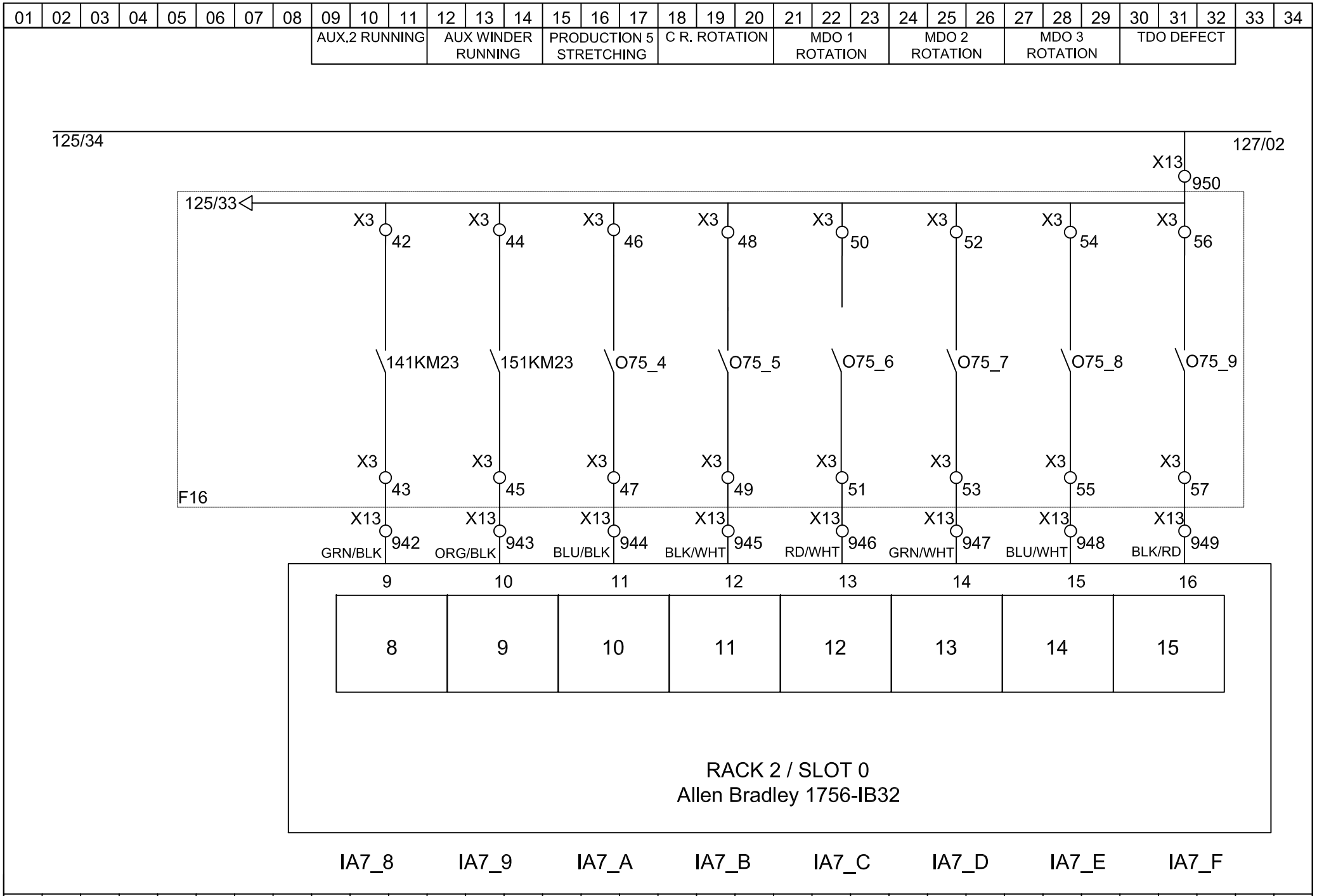

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT				DRAWING DESCRIPTION	KF F13	Page #	126		
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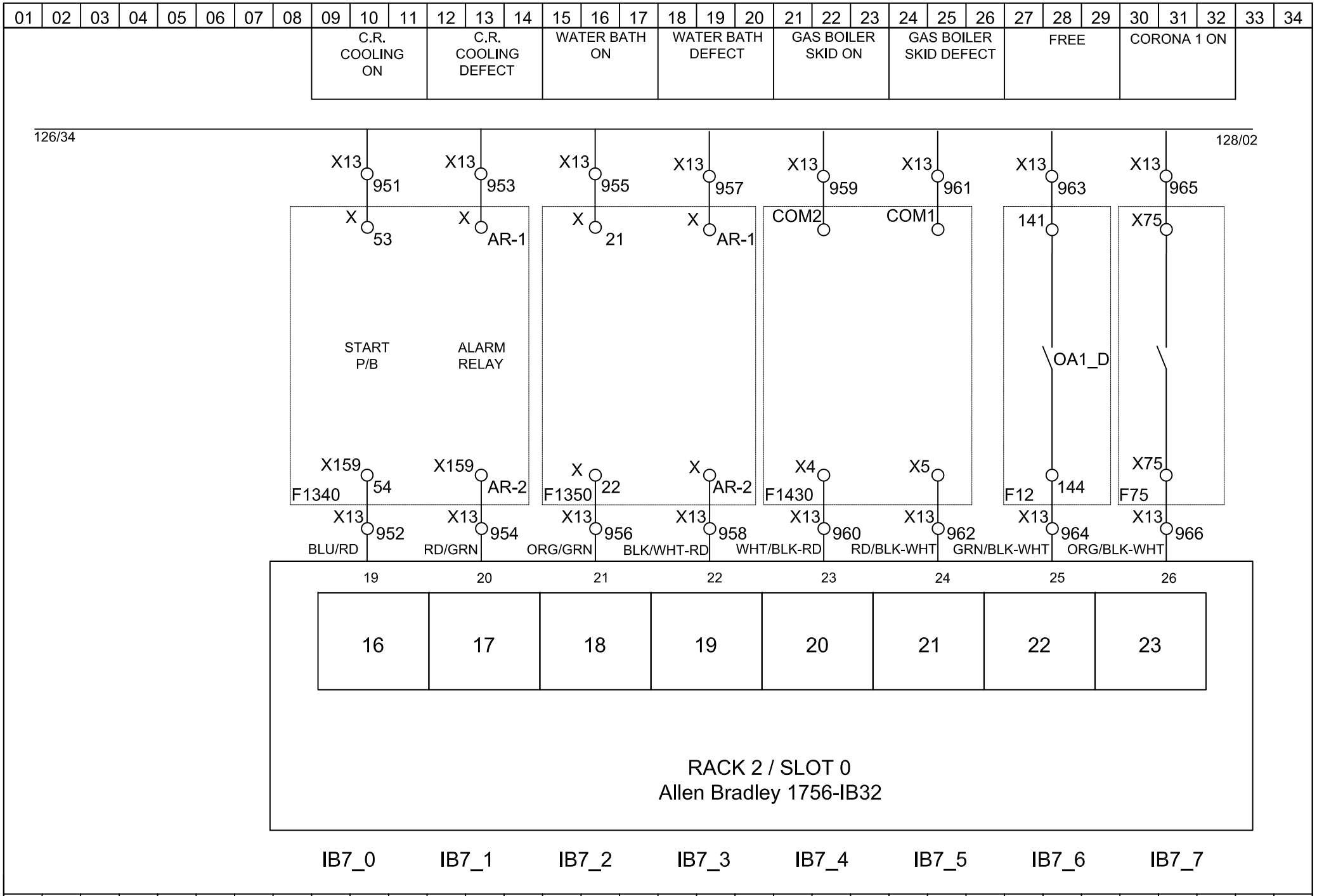
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	127		
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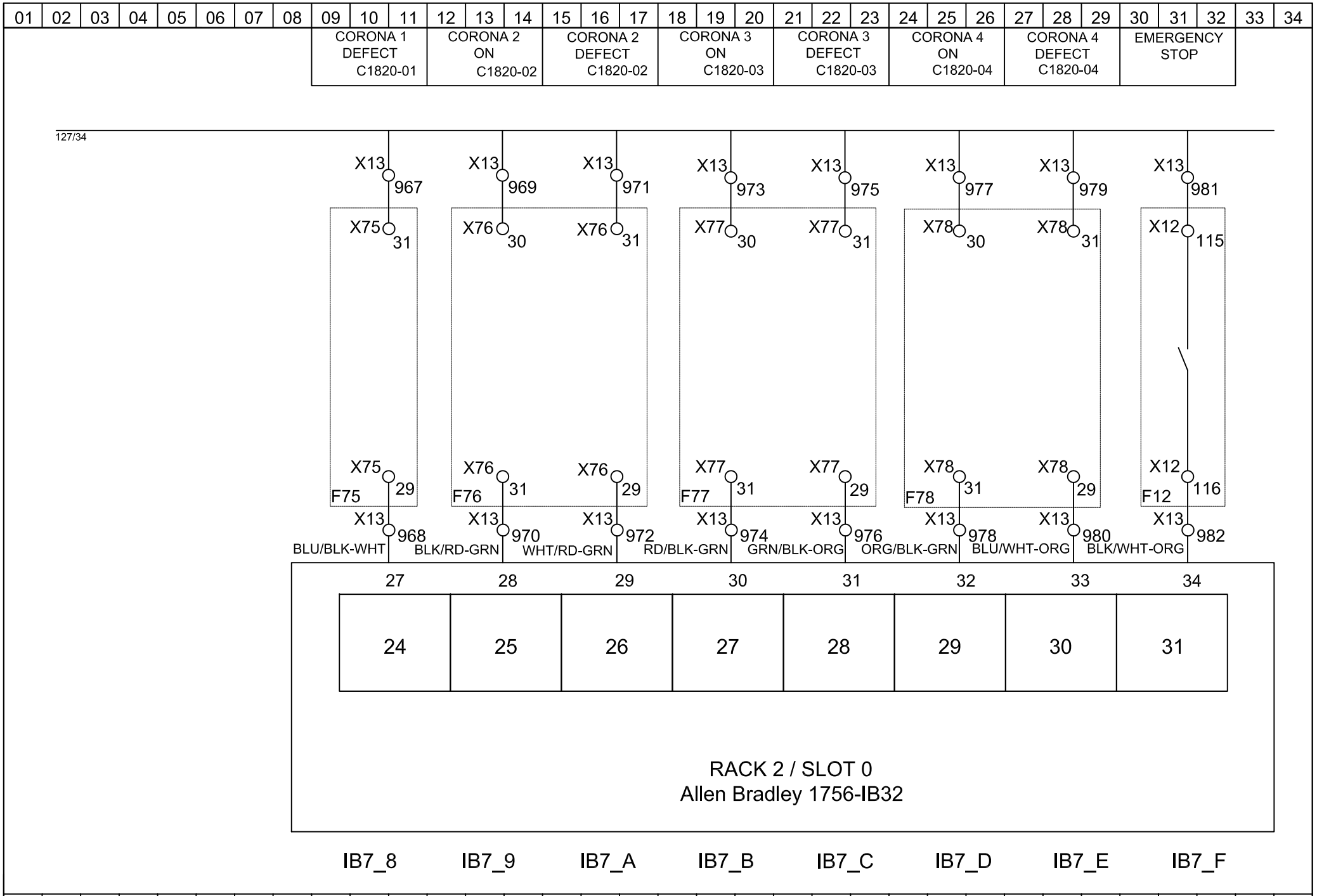
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL INPUT					DRAWING DESCRIPTION	KF F13	Page #	128			
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INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

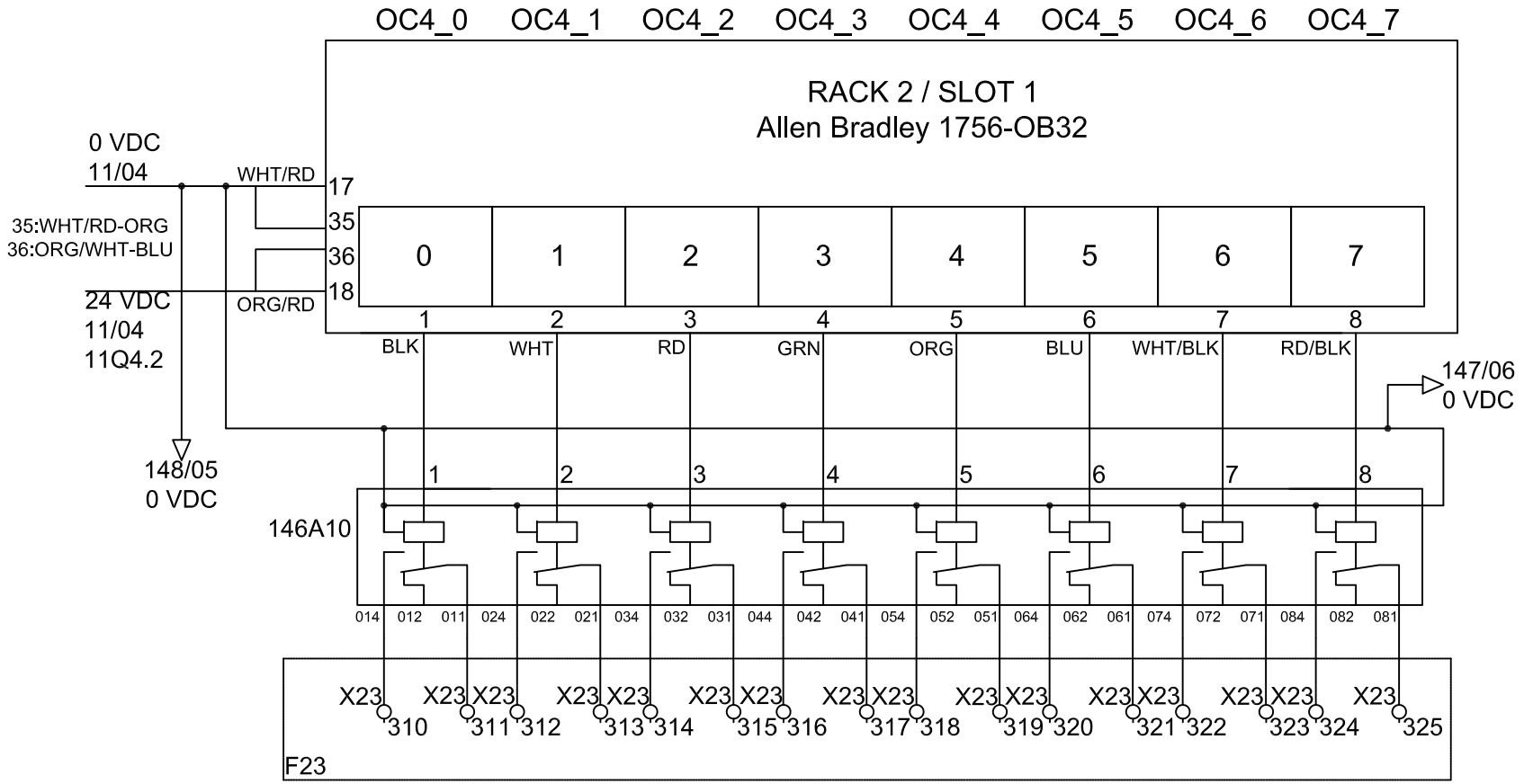
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

FAN FOR EXHAUST HOOD M1263-01	AIR KNIFE BLOWER M1310-01	FILM DRYING BLOWER M1310-02	FILM DRYING BLOWER M1310-03	C.R. DRYING BLOWER M1330-01	C.R. BRAKE Y1302-01	AUX. WINDER 1 BRAKE	AUX. WINDER NUM. 1 M1360-01&02



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	146			
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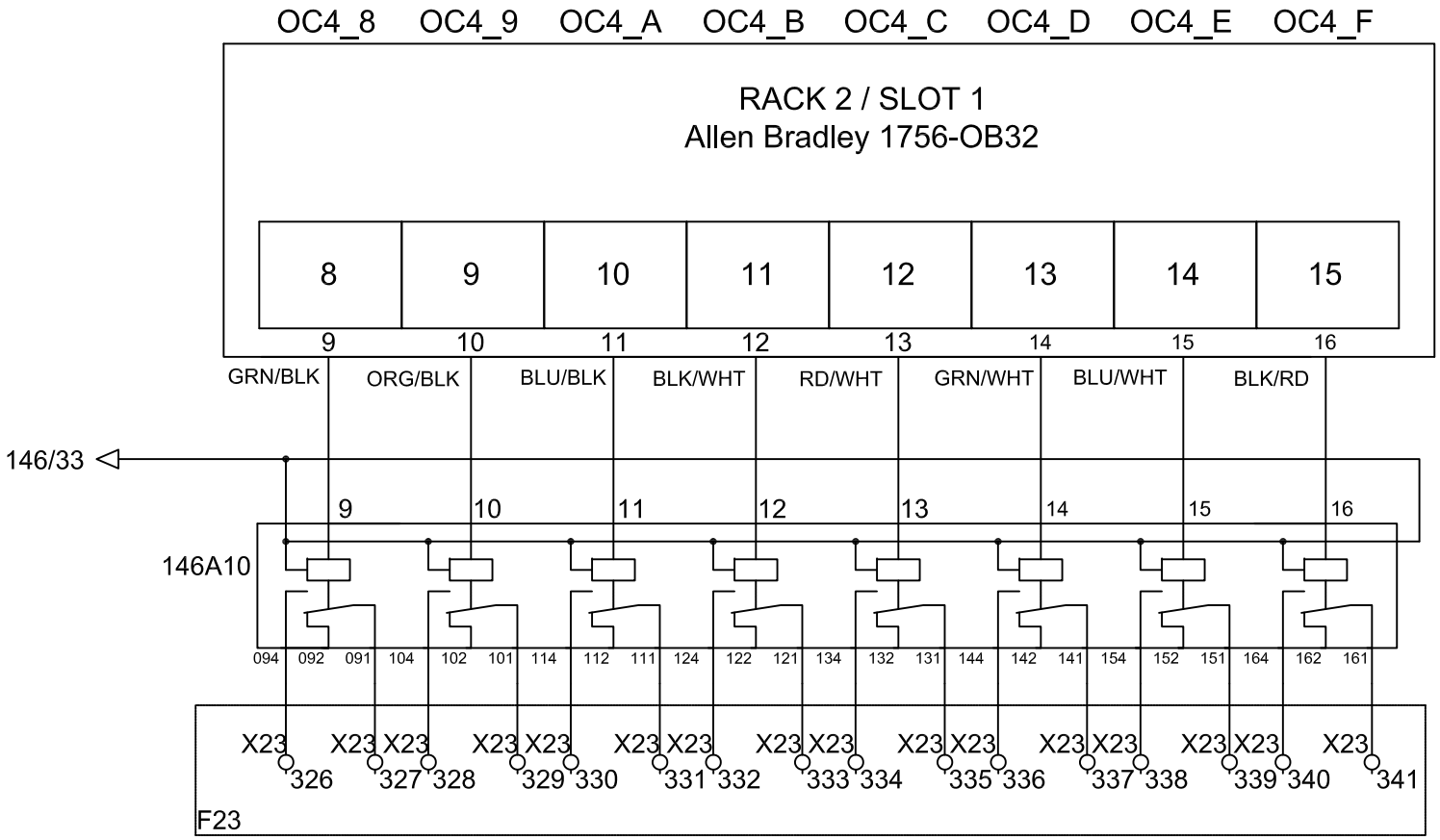
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

FREE	FREE	FREE	AUX. WINDER 2 BRAKE	AUX. WINDER NUM. 2 M1450-01&02	PUMP ROLL NUM. 1&2 M1430-01	PUMP ROLL NUM. 3&4 M1430-02	PUMP ROLL NUM. 5&6 M1430-03



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	147		
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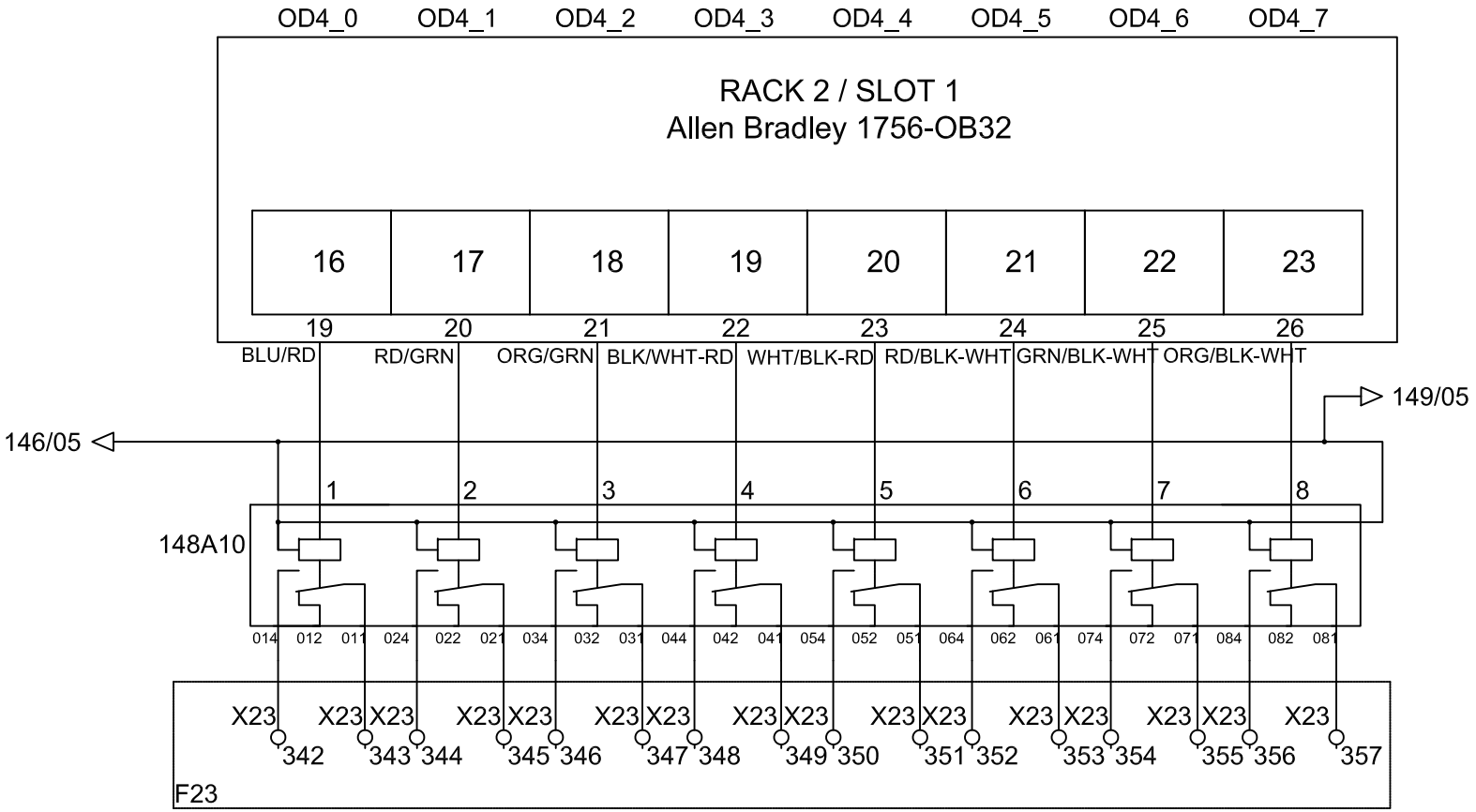
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

PUMP ROLL NUM. 7&8	PUMP ROLL NUM. 9&10	PUMP ROLL NUM. 11&12	PUMP ROLL NUM. 13&14	PUMP ROLL NUM. 15&16	PUMP ROLL NUM. 17&18	PUMP ROLL NUM. 19&20	PUMP ROLL NUM. 21&22
M1430-04	M1430-05	M1430-06	M1430-07	M1430-08	M1430-09	M1430-10	M1430-11



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	148		
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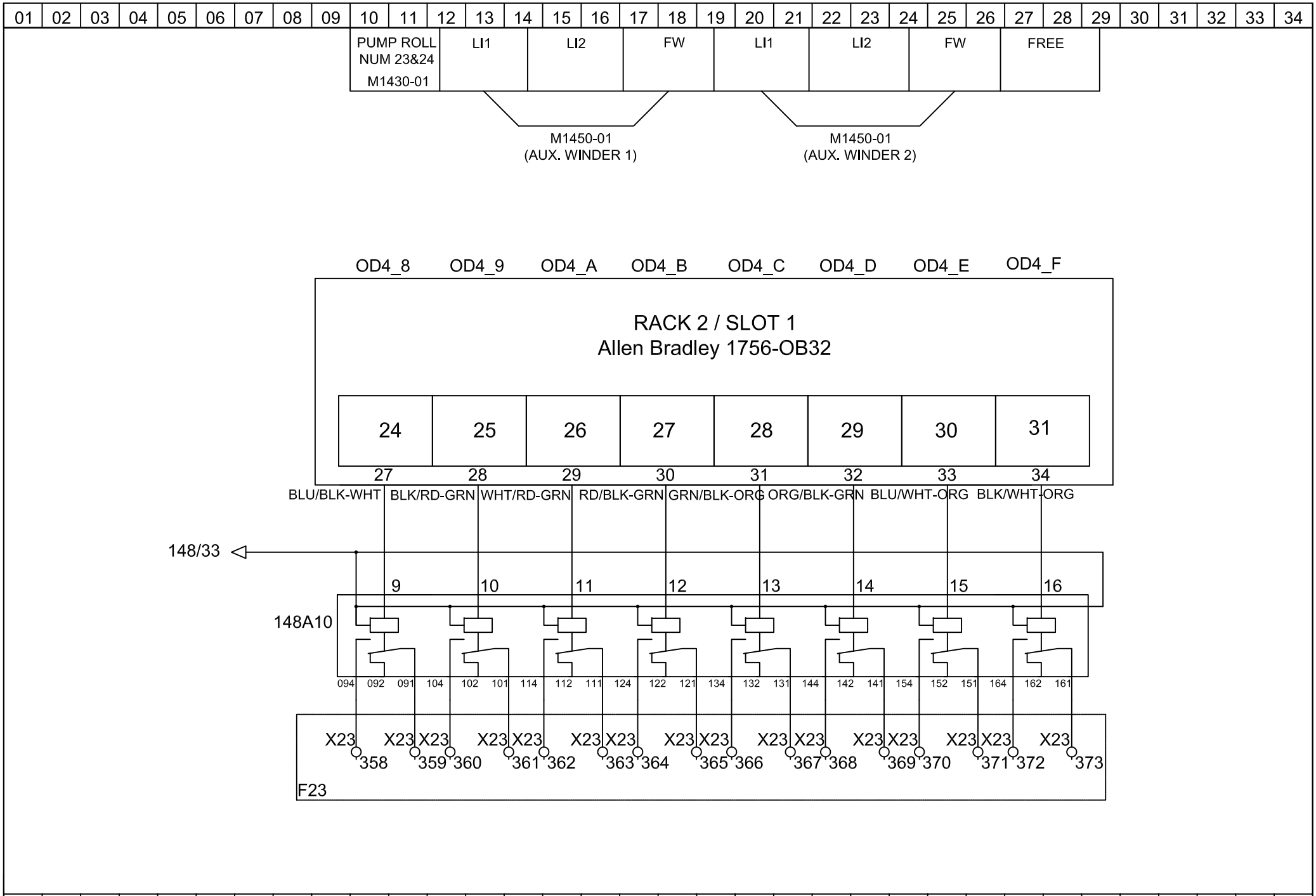

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	149			
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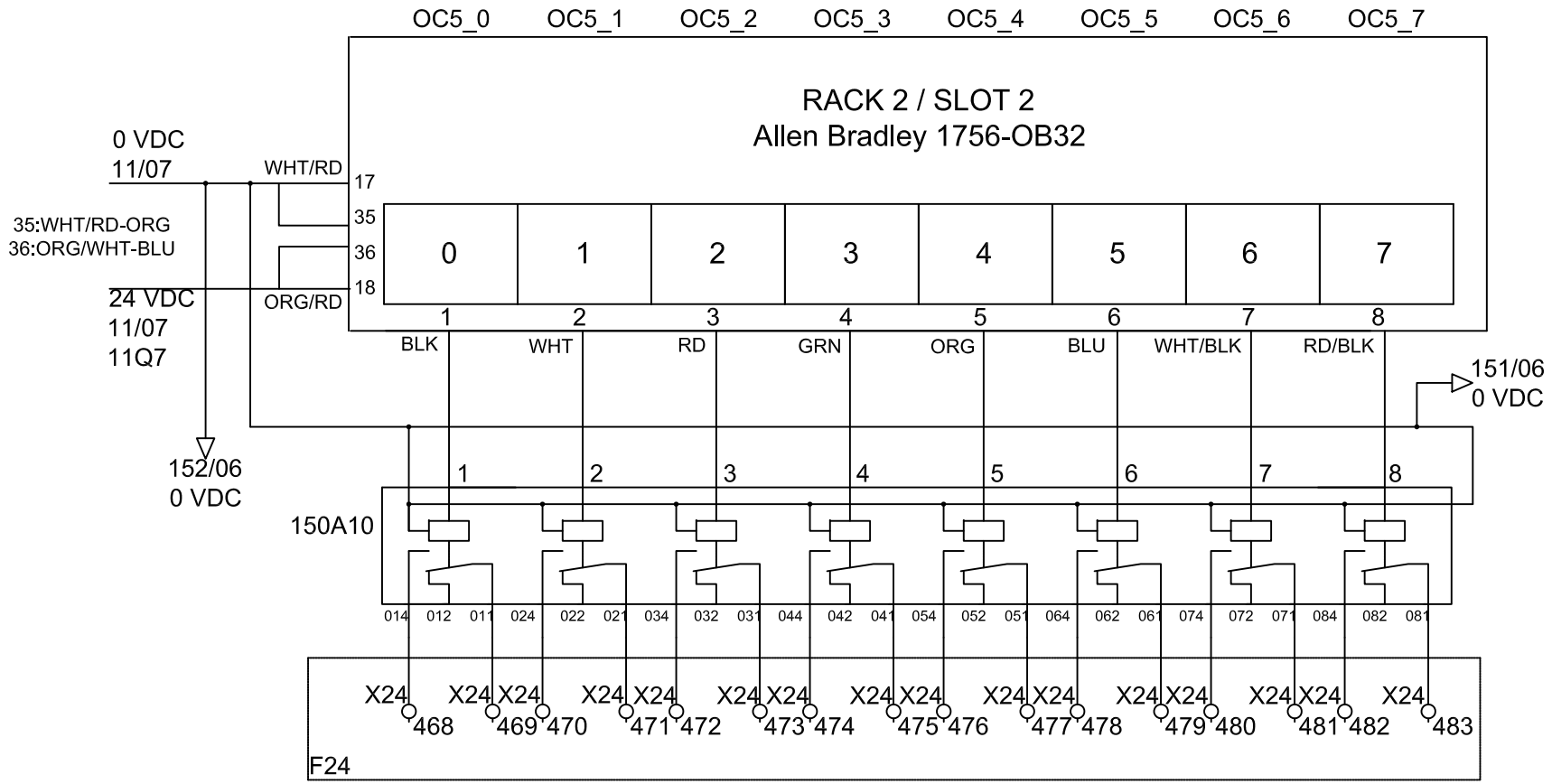
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

CENT EXHAUST AIR FAN M1525-01	CLIPS COOLING M1528-01	CLIPS COOLING M1528-02	BOTTOM NEVTRAL ZONE EXHAUST	TOP NEVTRAL ZONE EXHAUST	FREE	FREE	AIR FAN ZONE 1(HS) M1520-01



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	150			
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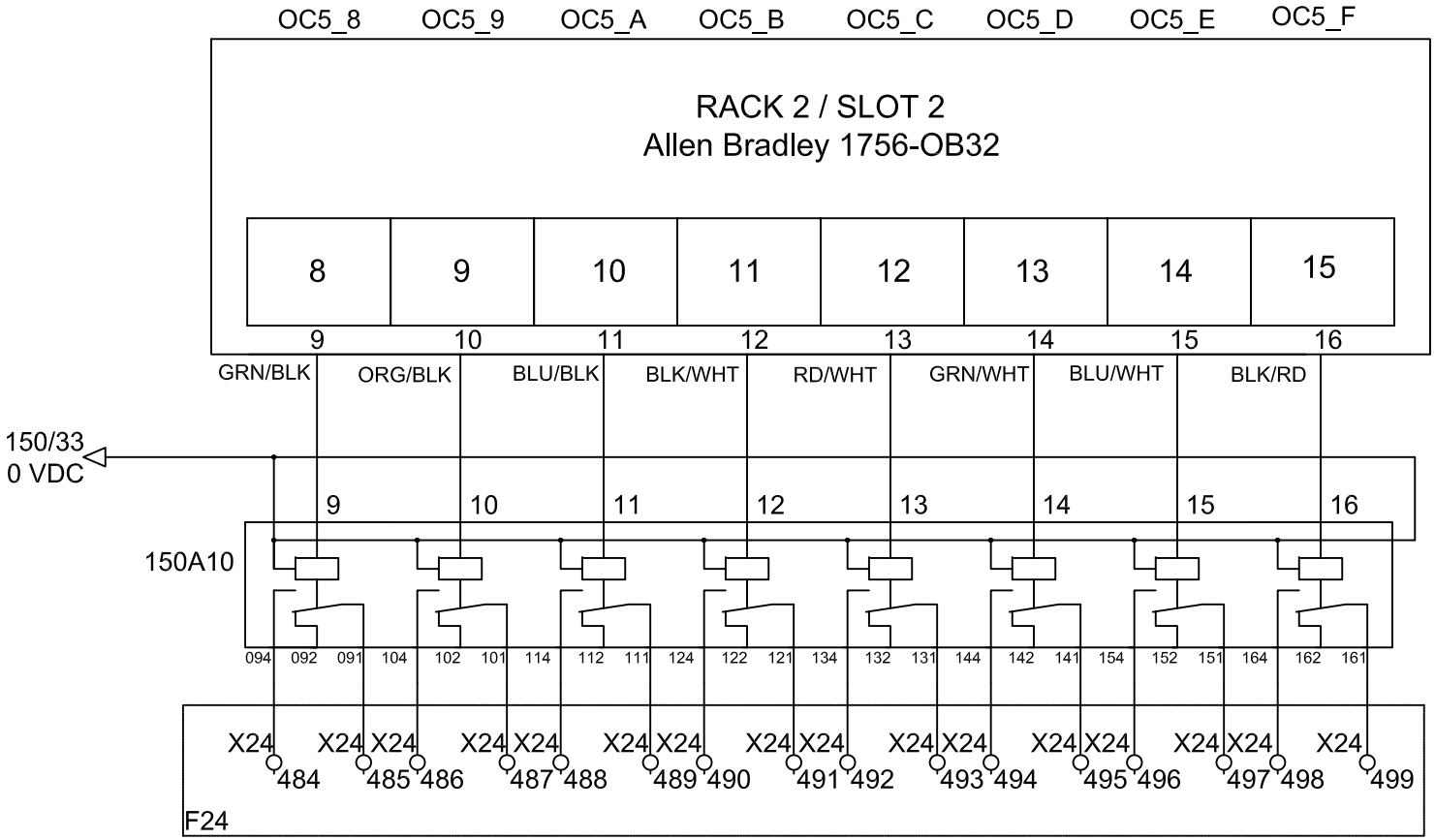
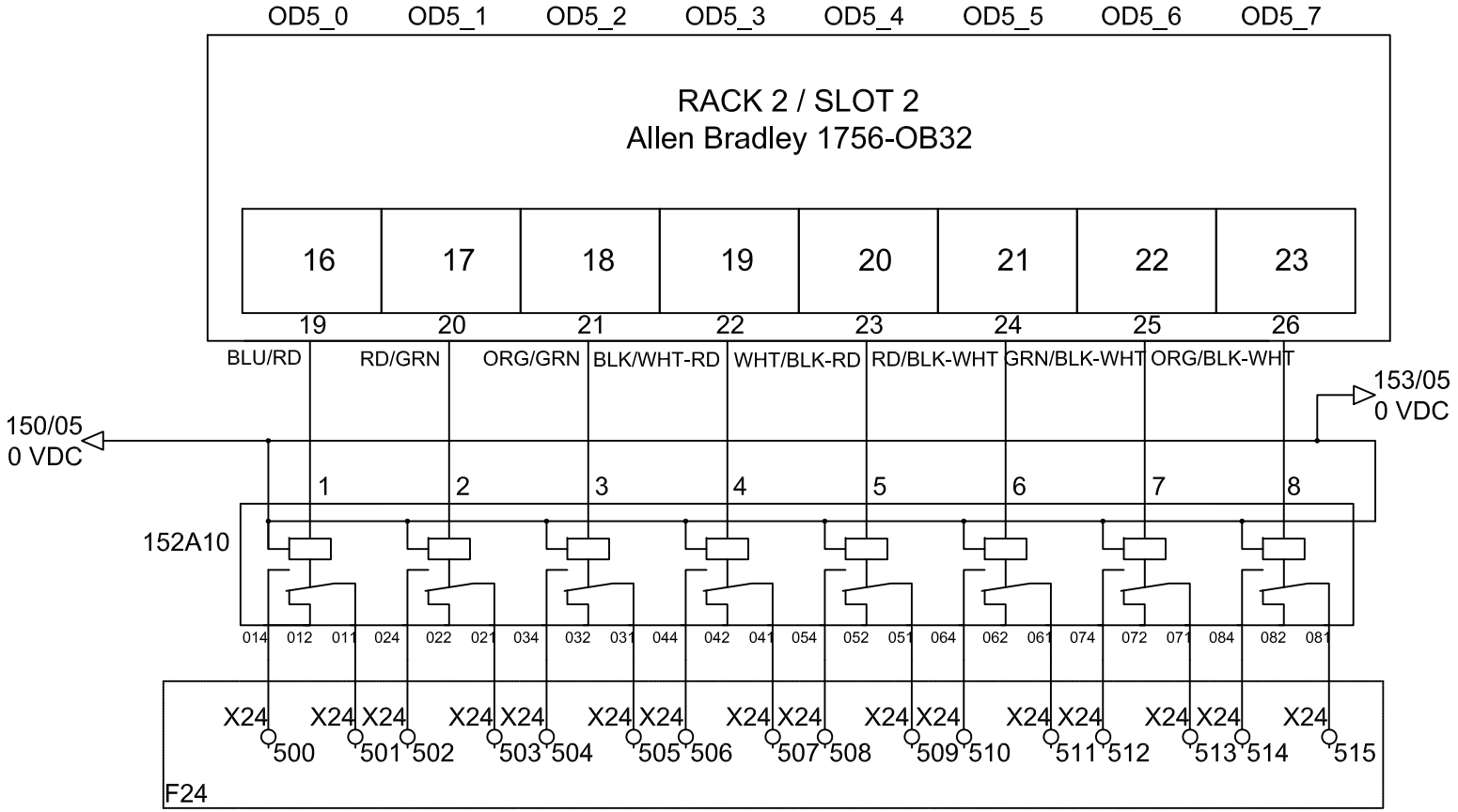
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT	MM	

AIR FAN ZONE 1 (L.S) M1520-01	AIR FAN ZONE 2 (H.S) M1520-02	AIR FAN ZONE 2 (L.S) M1520-02	AIR FAN ZONE 3 (H.S) M1520-03	AIR FAN ZONE 3 (L.S) M1520-03	AIR FAN ZONE 4 (H.S) M1520-04	AIR FAN ZONE 4 (L.S) M1520-04	AIR FAN ZONE 5 (H.S) M1520-05



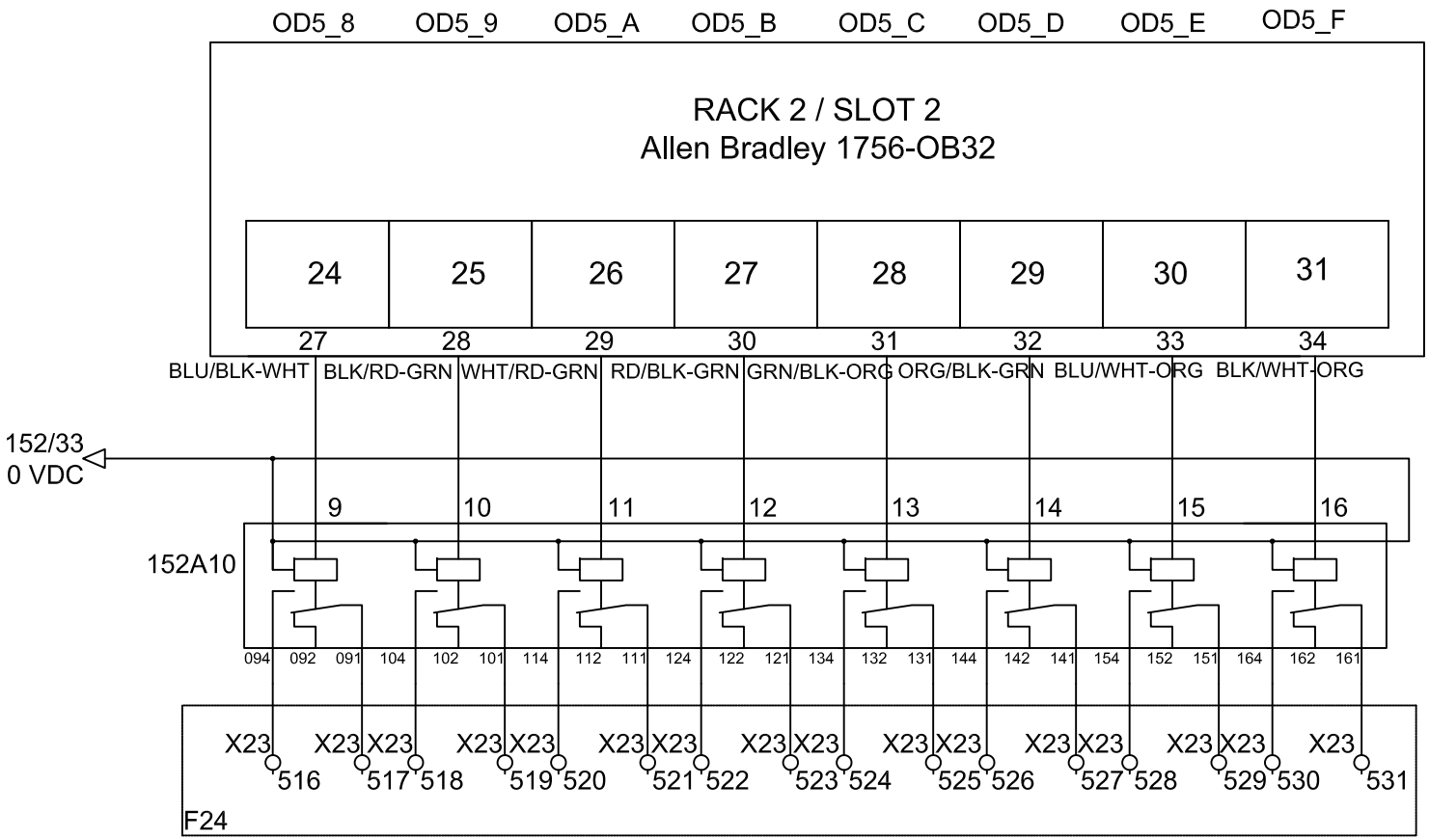
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	151			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN ZONE 5 (L.S) M1520-05	AIR FAN ZONE 6 (H.S) M1520-06	AIR FAN ZONE 6 (L.S) M1520-06	AIR FAN ZONE 7 (H.S) M1520-07	AIR FAN ZONE 7 (L.S) M1520-07	AIR FAN ZONE 8 (H.S) M1520-08	AIR FAN ZONE 8 (L.S) M1520-08	AIR FAN ZONE 9 (H.S) M1520-09

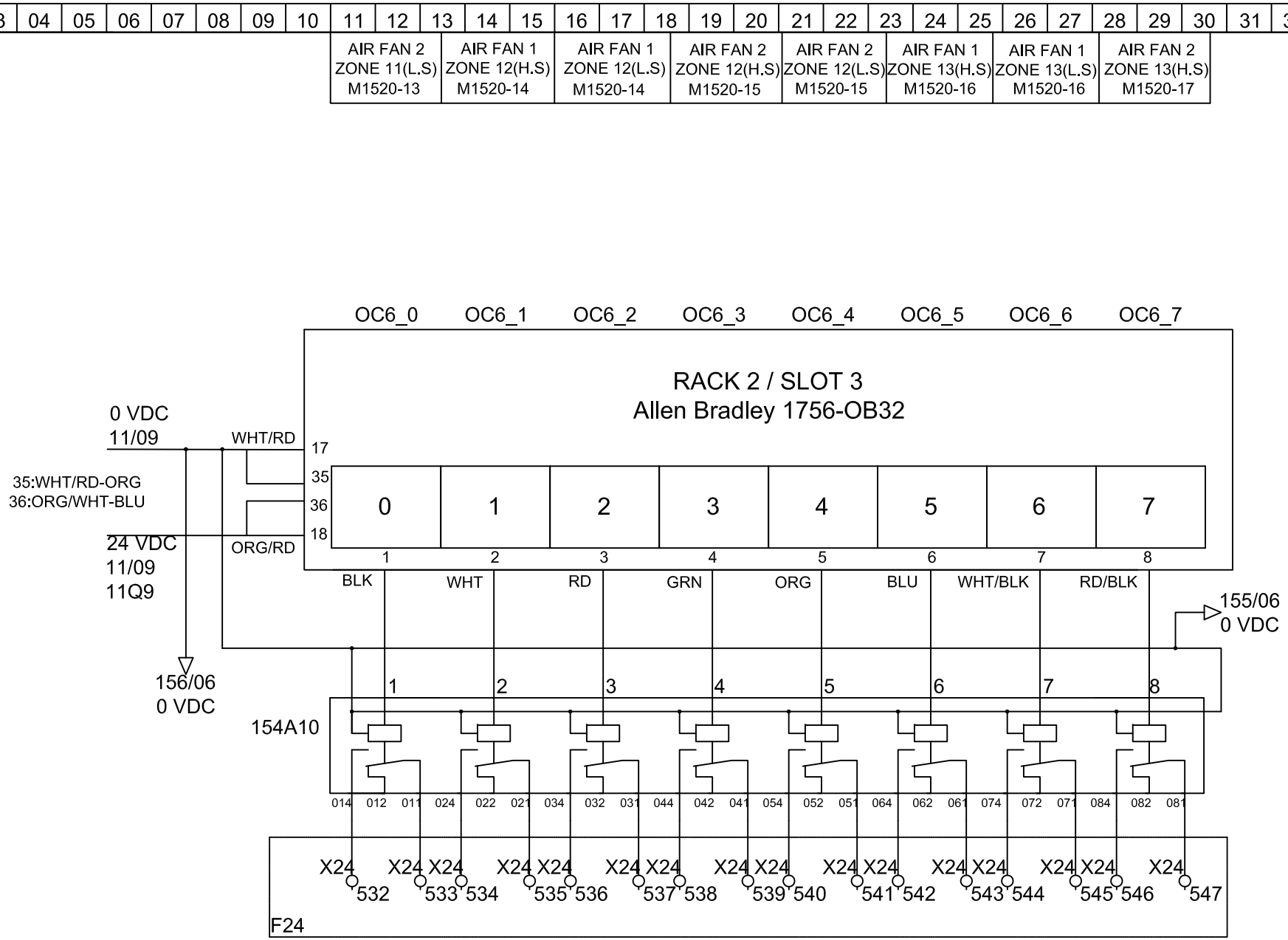


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	152		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN ZONE 9(L.S)	AIR FAN 1 ZONE 10(H.S)	AIR FAN 1 ZONE 10(L.S)	AIR FAN 2 ZONE 11(H.S)	AIR FAN 2 ZONE 11(L.S)	AIR FAN 1 ZONE 12(H.S)	AIR FAN 1 ZONE 12(L.S)	AIR FAN 2 ZONE 13 (H.S)
M1520-9	M1520-10	M1520-10	M1520-11	M1520-11	M1520-12	M1520-12	M1520-13

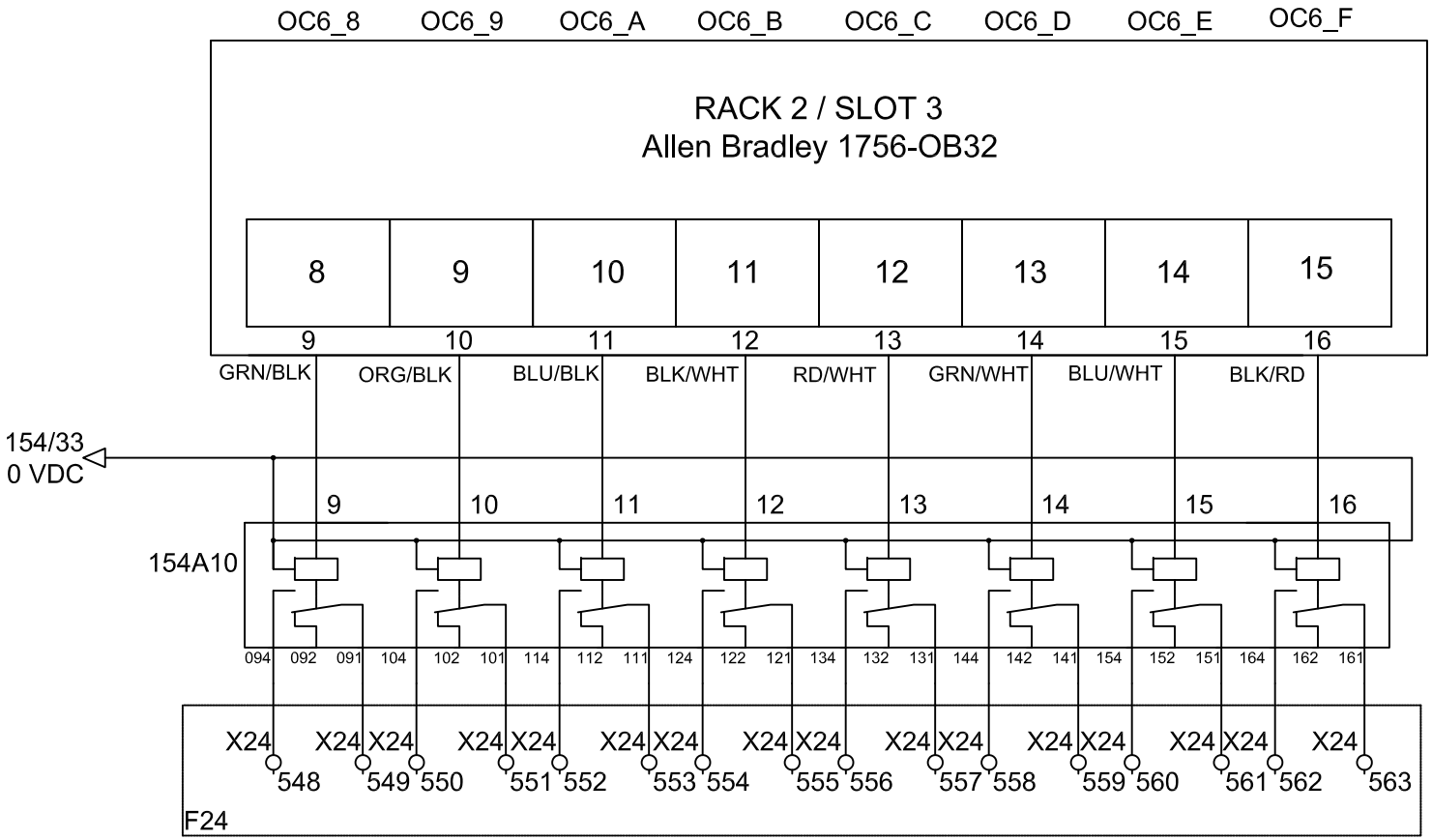


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT			DRAWING DESCRIPTION	KF F13	Page #	153				
						Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



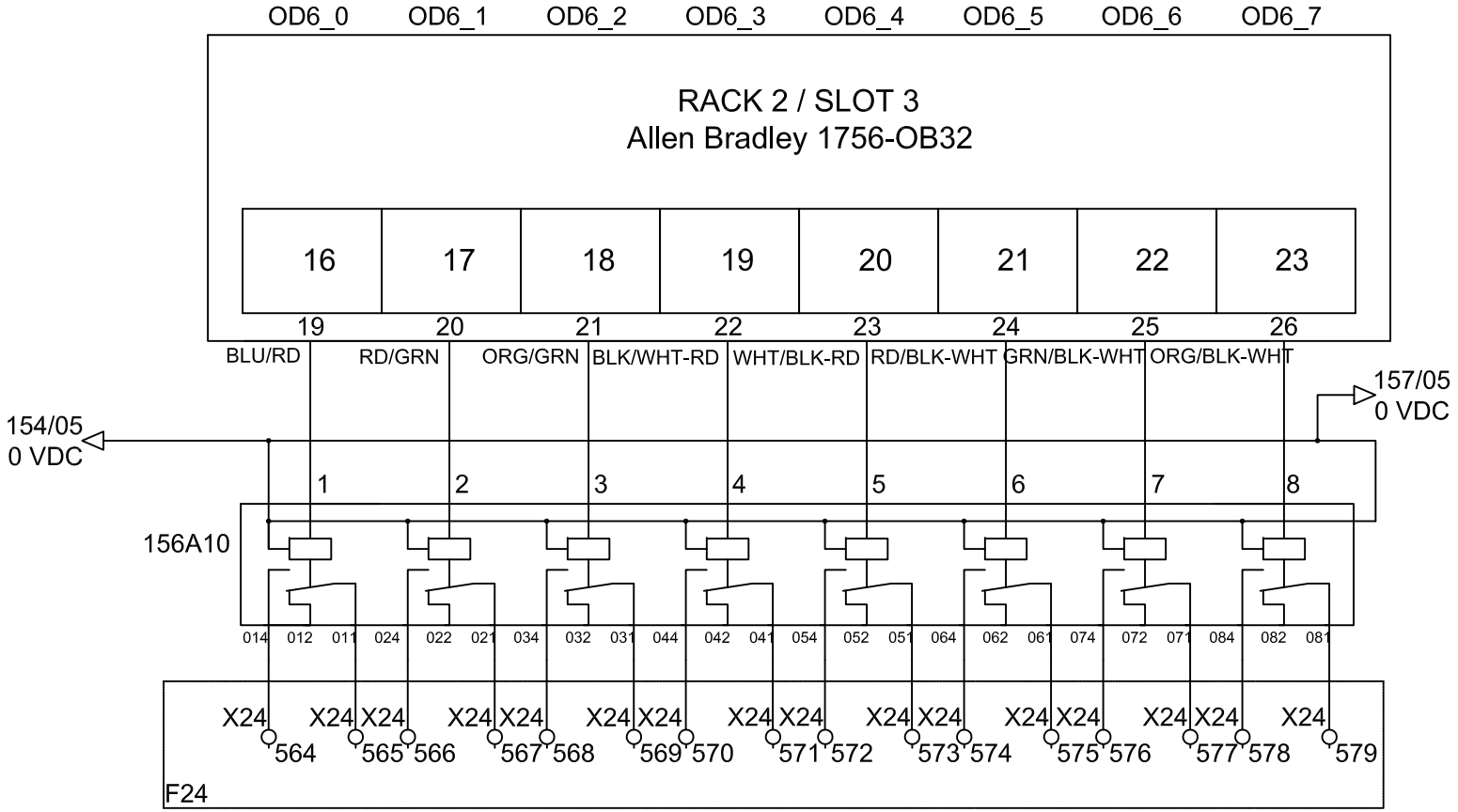
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	154			
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total				
DRAWN BY JEFF LEE		1	REDRAW	Bryan Hong	1/9/2024	DRAWING NO.	MATERIAL				
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT	MM	

AIR FAN 2 ZONE 13(L.S) M1520-17	AIR FAN 1 ZONE 14(H.S) M1520-18	AIR FAN 1 ZONE 14(L.S) M1520-18	AIR FAN 2 ZONE 14(H.S) M1520-19	AIR FAN 2 ZONE 14(L.S) M1520-19	AIR FAN 1 ZONE 15(H.S) M1520-20	AIR FAN 1 ZONE 15 (L.S) M1520-20	AIR FAN 2 ZONE 15 (H.S) M1520-21



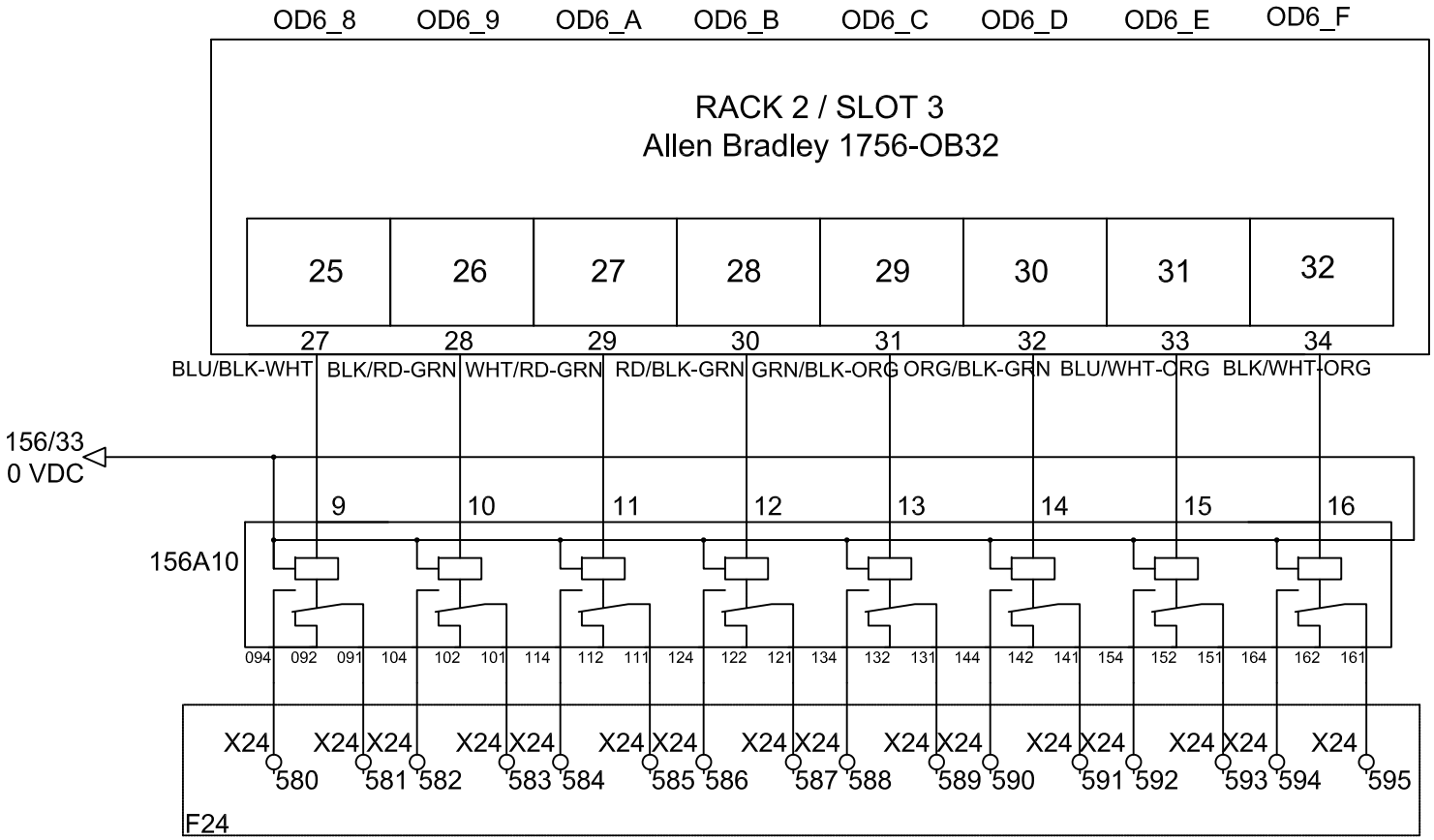
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	155			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AIR FAN 2 ZONE 15(L.S)	AIR FAN 1 ZONE 16(H.S)	AIR FAN 1 ZONE 16(L.S)	AIR FAN 2 ZONE 16(H.S)	AIR FAN 2 ZONE 16(L.S)	AIR FAN 1 ZONE 17(H.S)	AIR FAN 1 ZONE 17(L.S)	AIR FAN 2 ZONE 17 (H.S)
M1520-21	M1520-22	M1520-22	M1520-23	M1520-23	M1520-24	M1520-24	M1520-25

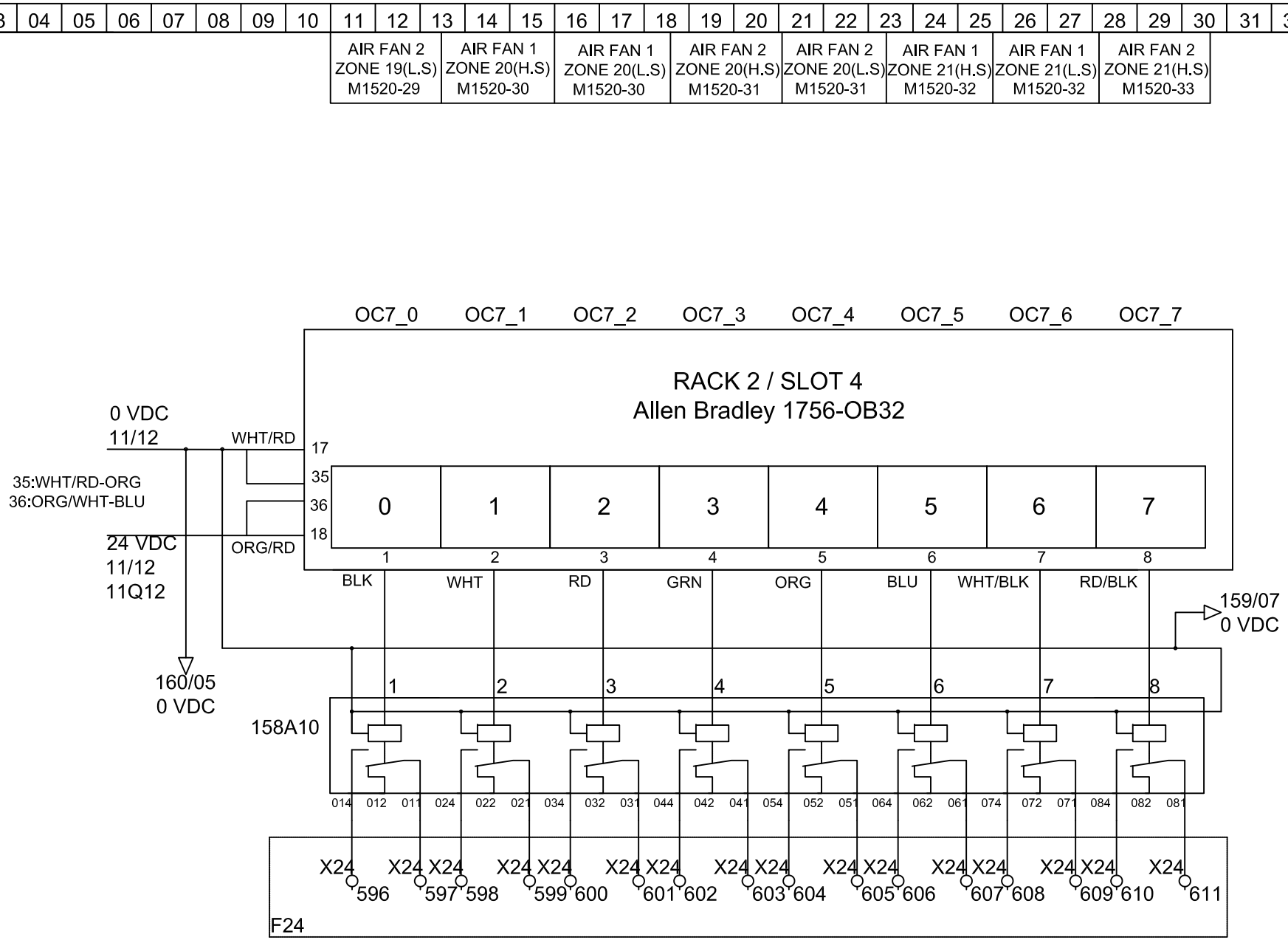


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	156	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.	MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE	NONE	UNIT MM

AIR FAN 2 ZONE 17(L.S) M1520-25	AIR FAN 1 ZONE 18(H.S) M1520-26	AIR FAN 1 ZONE 18(L.S) M1520-26	AIR FAN 2 ZONE 18(H.S) M1520-27	AIR FAN 2 ZONE 18(L.S) M1520-27	AIR FAN 1 ZONE 19(H.S) M1520-28	AIR FAN 1 ZONE 19(L.S) M1520-28	AIR FAN 2 ZONE 19(H.S) M1520-29

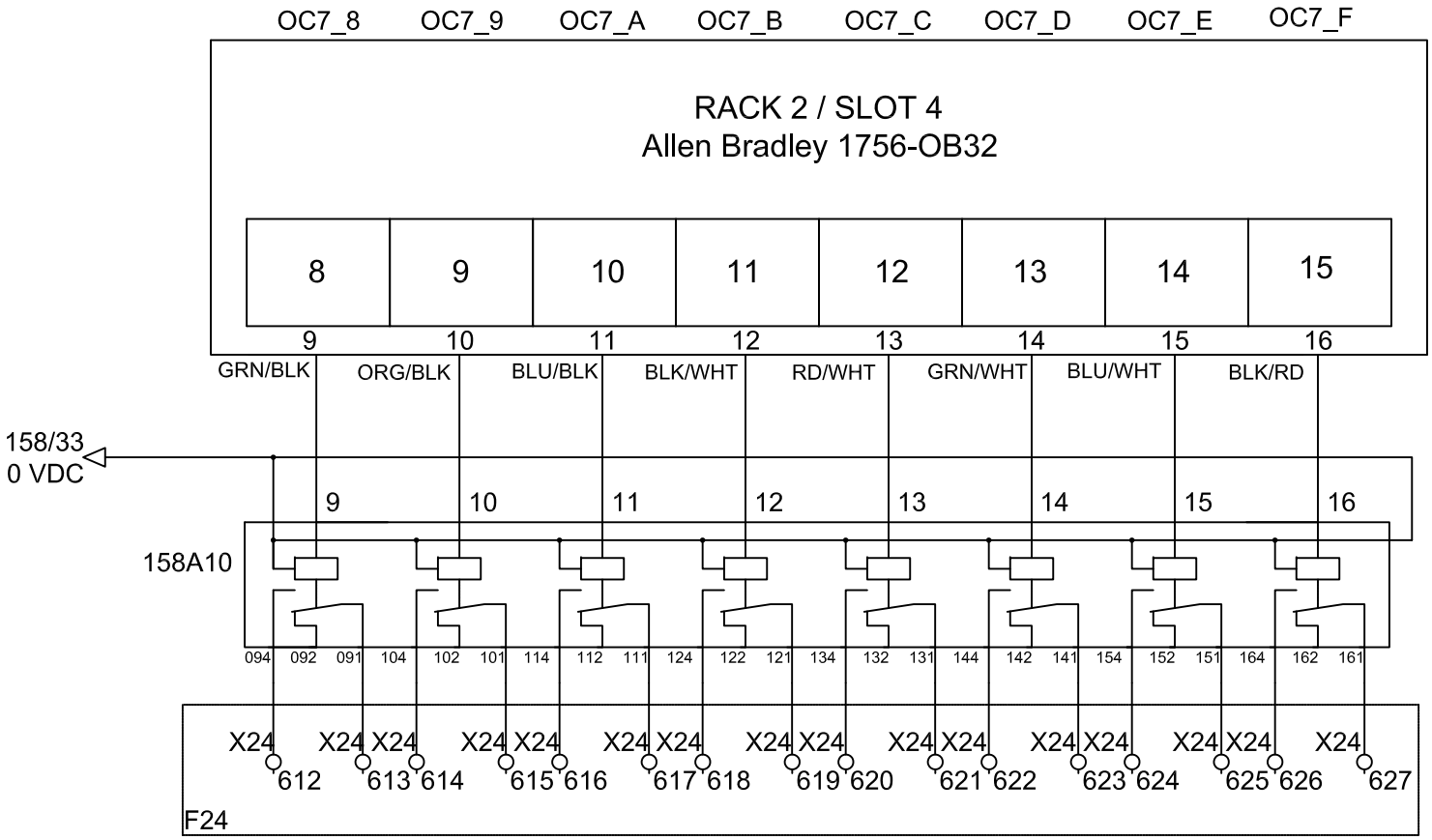


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	157		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/05/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

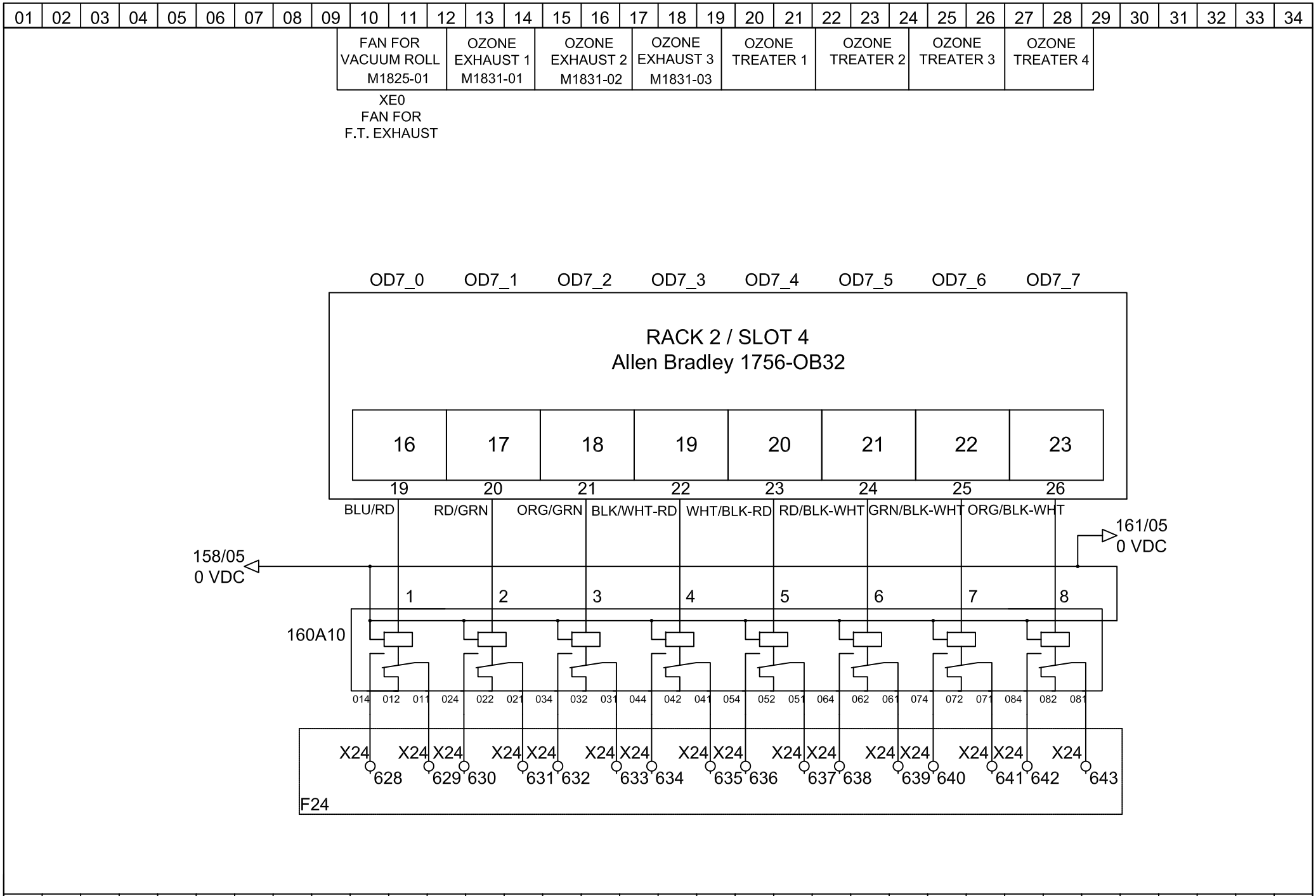


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	158		
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025			Total			
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

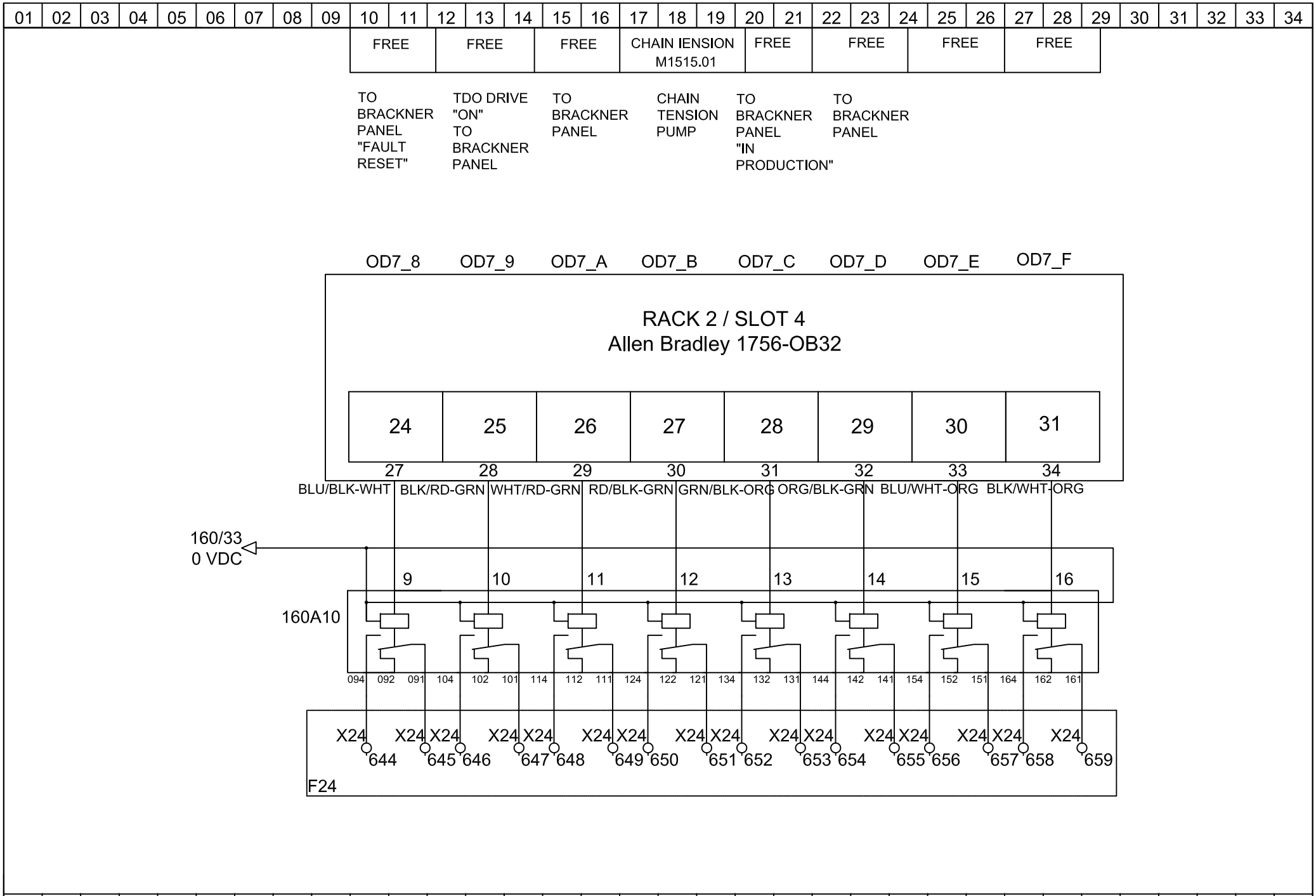
AIR FAN 2 COOLING ZONE(L.S) M1520-33	AIR FAN 3 COOLING ZONE(H.S) M1520-34	AIR FAN 3 COOLING ZONE(L.S) M1520-34	AIR FAN 4 COOLING ZONE(H.S) M1520-35	AIR FAN 4 COOLING ZONE(L.S) M1520-35	FREE	FREE	FAN FOR VACUUM ROLL M1812-01



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	159		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	160		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	161		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

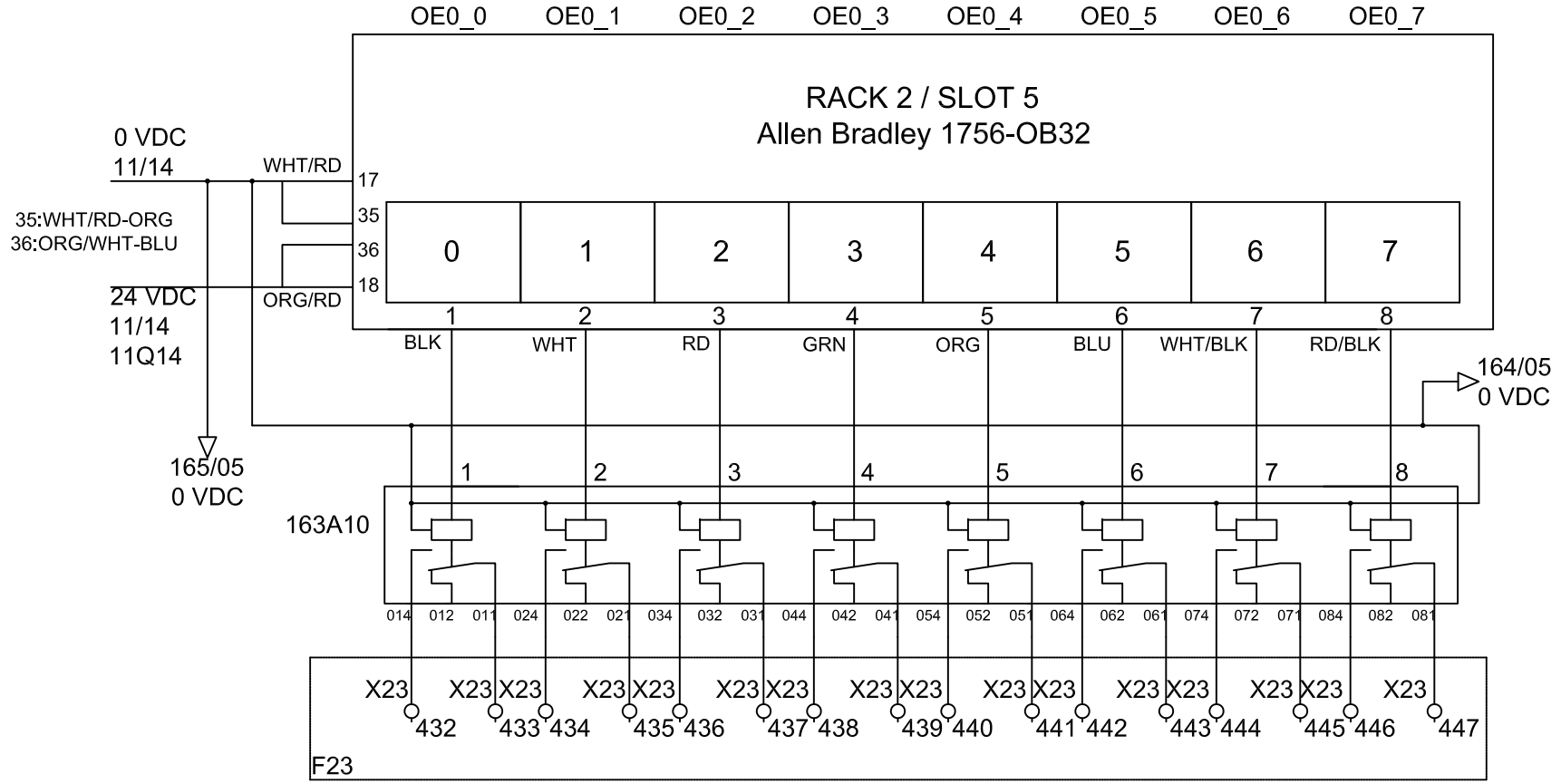
DRAWN BY	
CHECKED BY	

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE

DRAWING DESCRIPTION		Page #	
		Total	
DRAWING NO.		MATERIAL	
DRAWN DATE:	03-03-2014	SCALE	NONE
		UNIT	MM

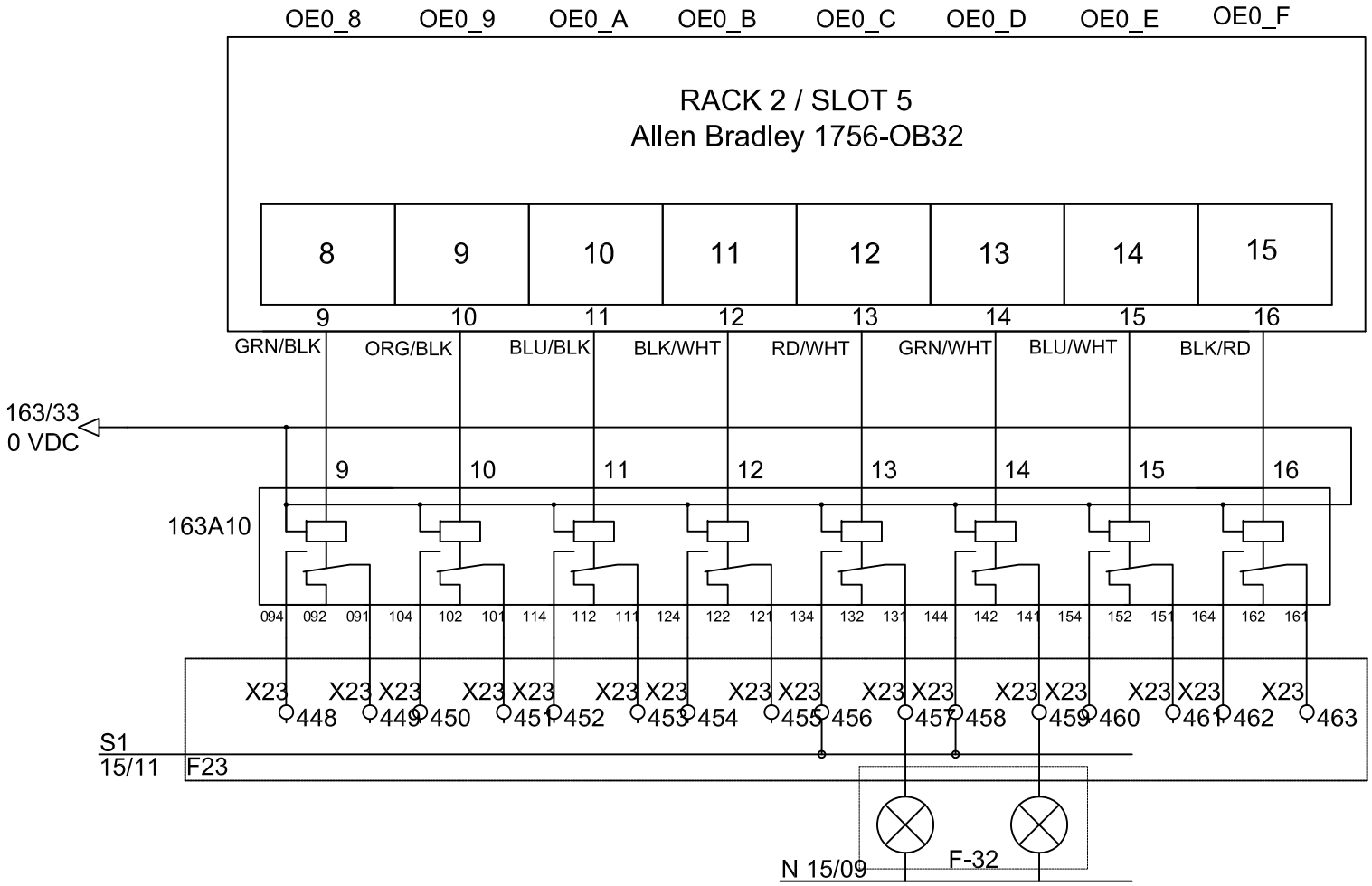
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

C.R. BRAKE	C.R. BACKWARD	C.R. FORWARD	C.R. HIGH SPEED	C.R. LOW SPEED	DRAW ROLL NUM.8 UP	DRAW ROLL NUM.8 DOWN	DRAW ROLL NUM.10 UP
M1301-02	M1301-01	M1301-01	M1301-01	M1301-01	M1402-01	M1402-01	M1402-02



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	163	
							Total		
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL	
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE NONE	UNIT MM

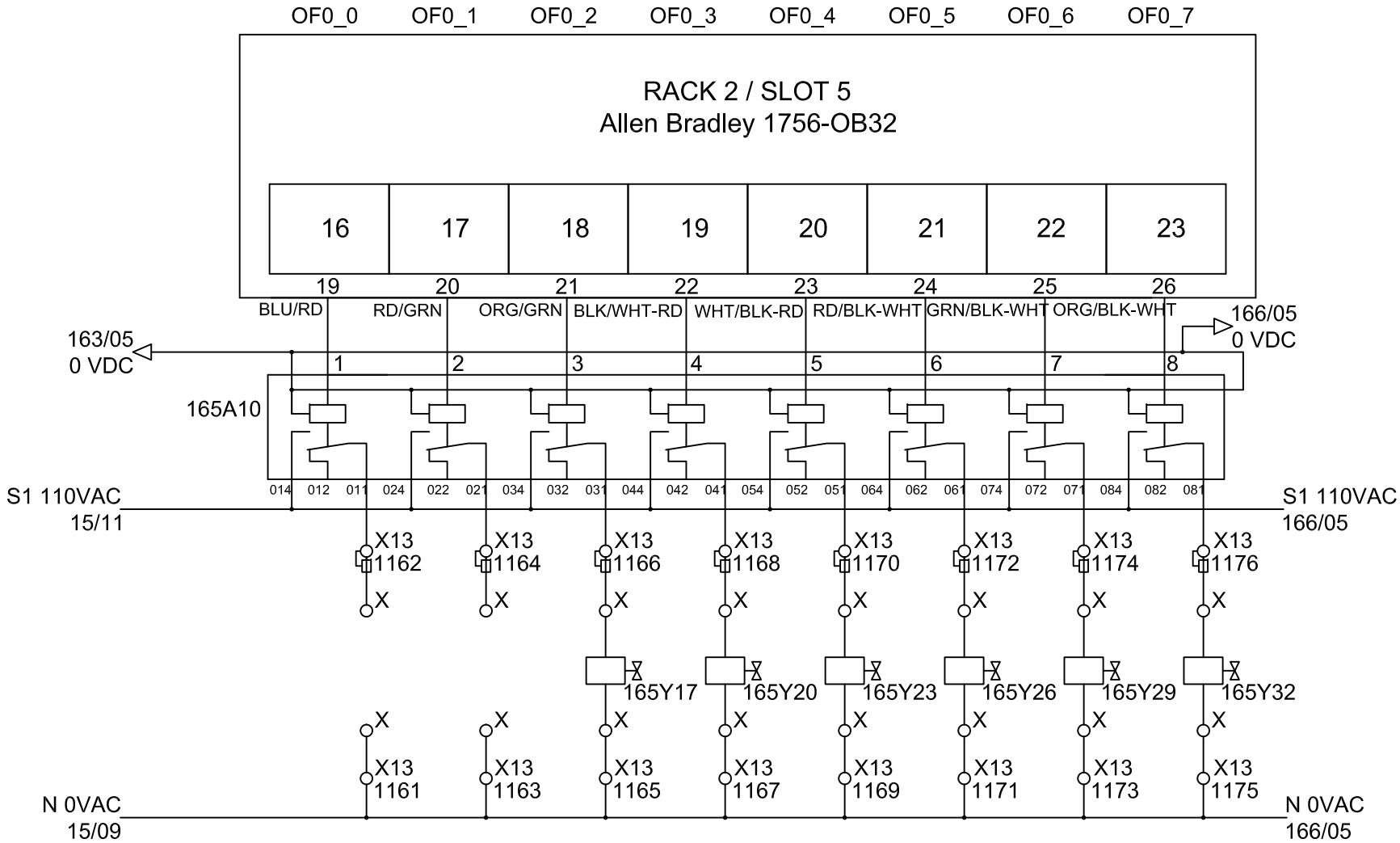
DRAW ROLL NUM.10 DOWN M1402-02	DRAW ROLL NUM.12 UP M1402-03	DRAW ROLL NUM.12 DOWN M1402-03	THREADING CLUTCH Y1410-01	C.R. FORWARD	C.R. BACKWARD	MDO ROLLS	FREE
				GREEN LAMP	RED LAMP		



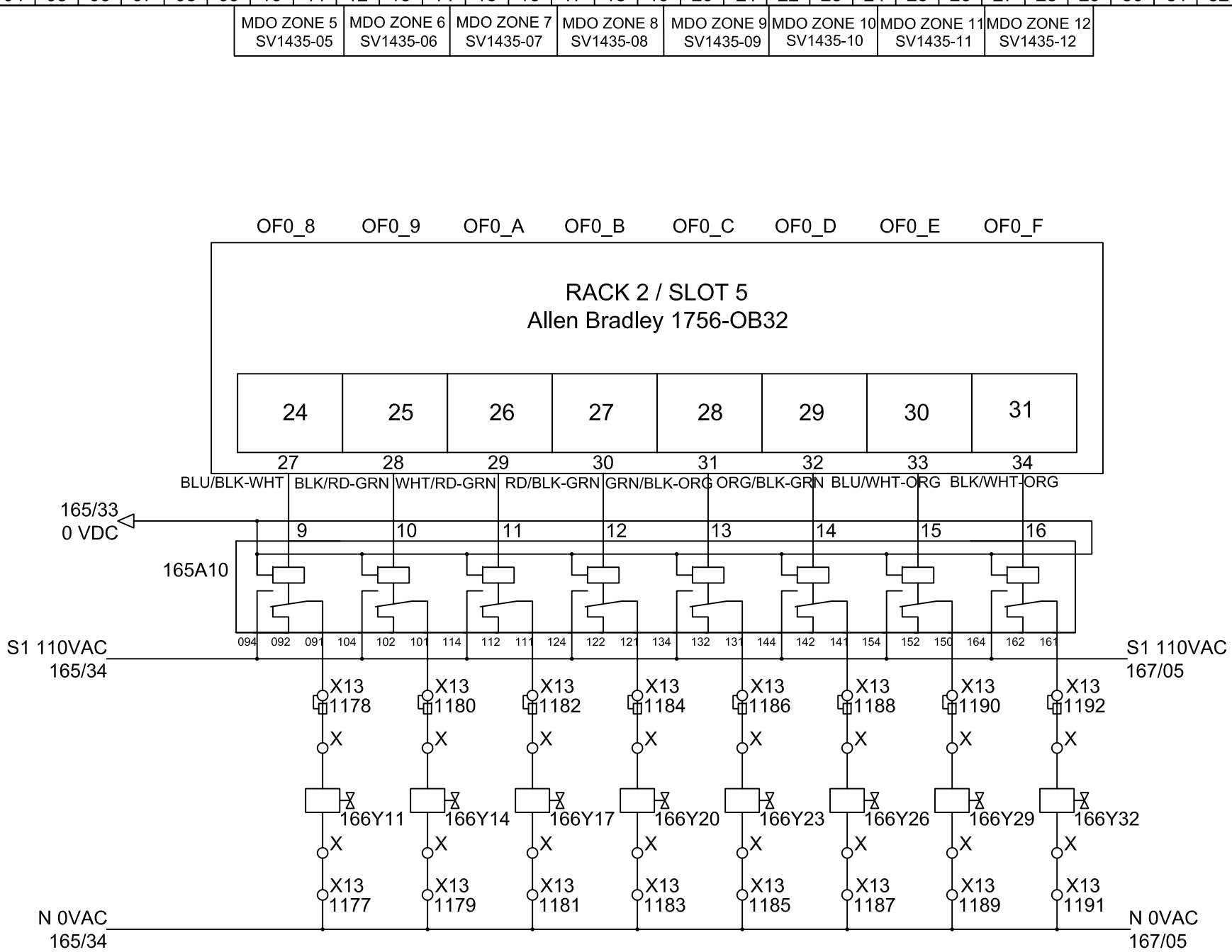
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	164	
									Total		
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

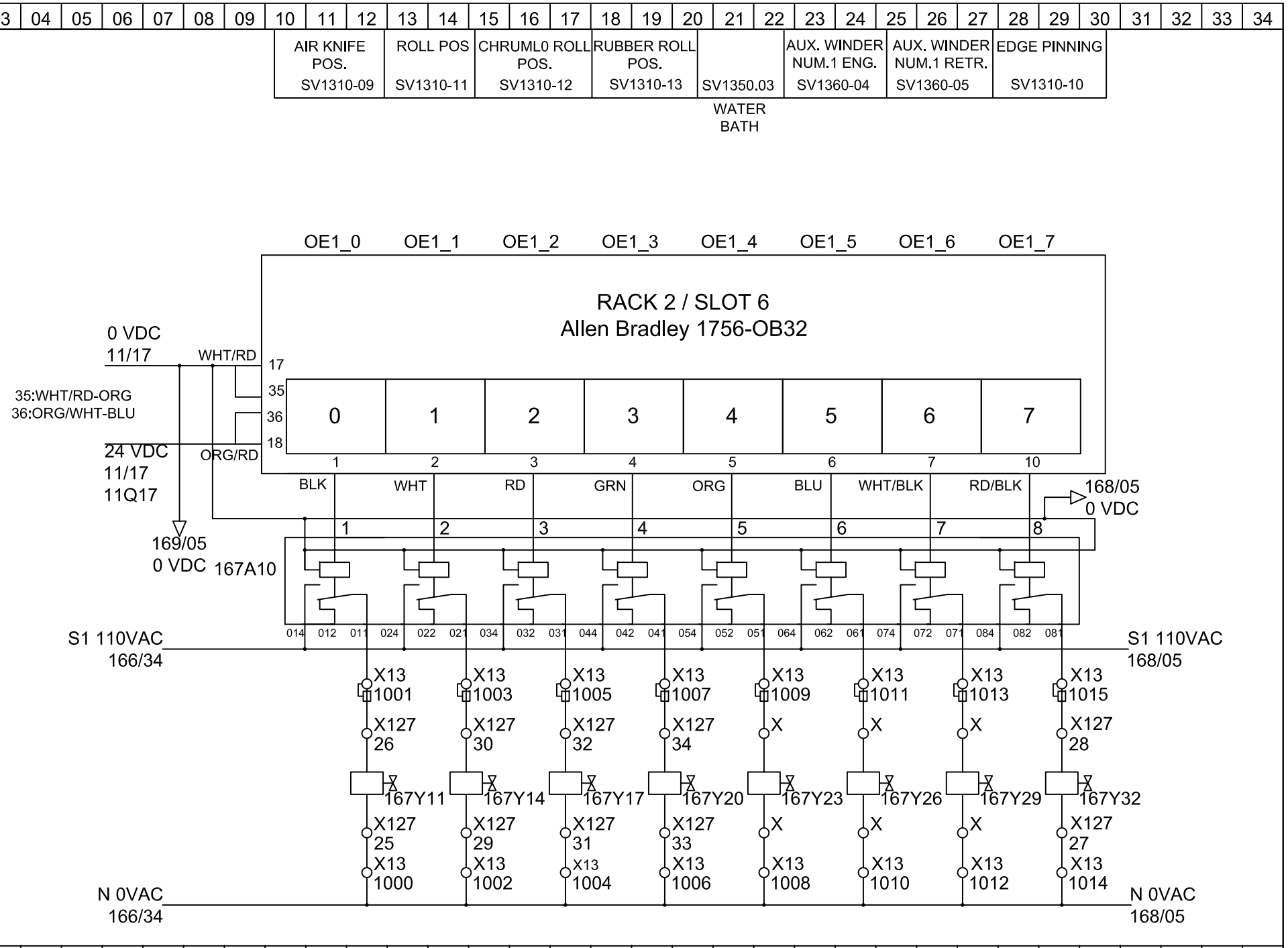
FREE	FREE	MDO ZONE 0 SV1435-13	MDO ZONE 10 SV1435-14	MDO ZONE 1 SV1435-01	MDO ZONE 2 SV1435-02	MDO ZONE 3 SV1435-03	MDO ZONE 4 SV1435-04



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	165			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

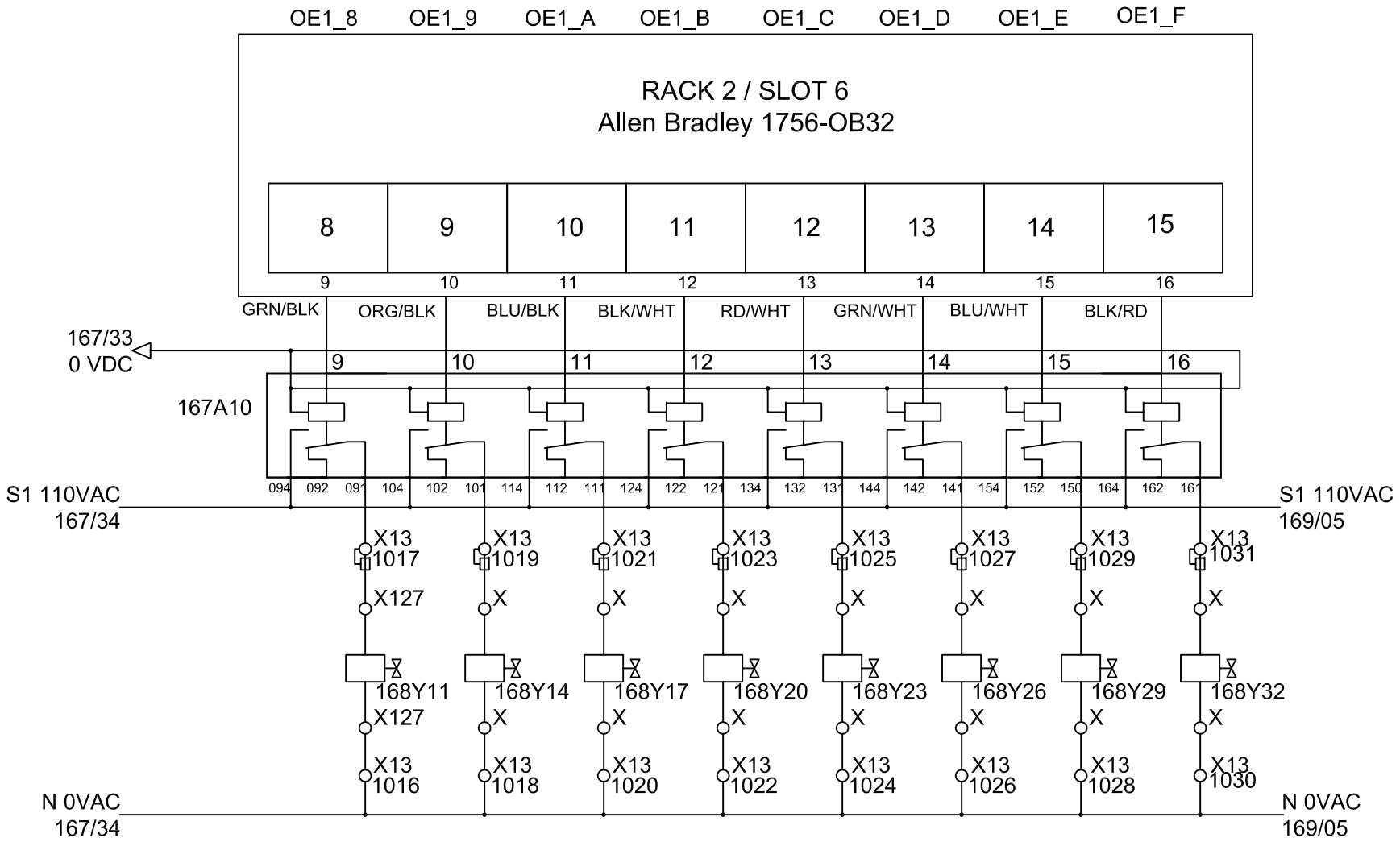


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	166			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



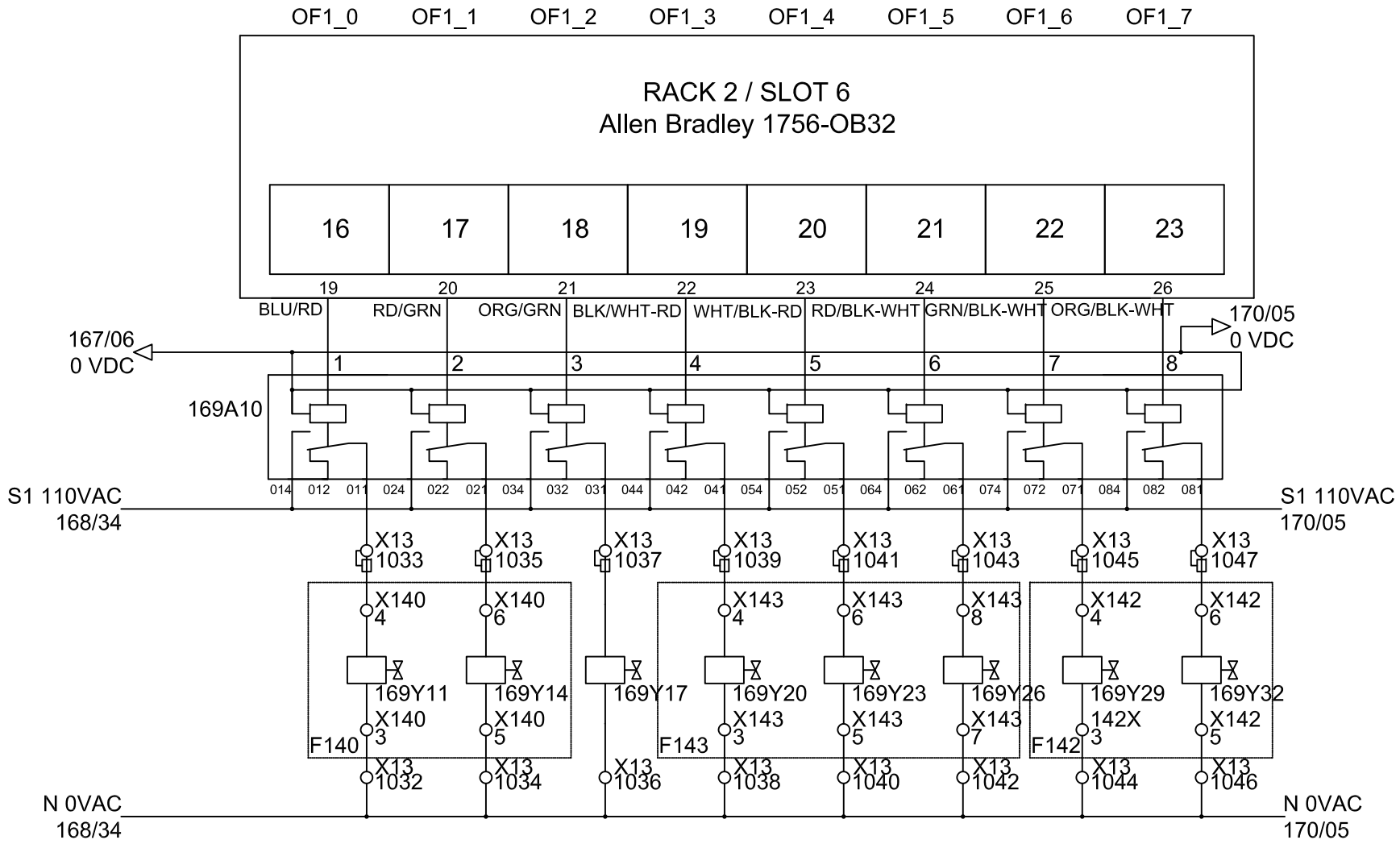
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	167		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

INSI AIR SV1310-14	NIP ROLL 1 SV1404-01	NIP ROLL 2 SV1404-02	NIP ROLL 3 SV1404-03	PRESS ROLL INLET SV1404-04	PRESS ROLL OUTLET SV1404-05	AUX. WINDER 2 RETR. SV1450-04	AUX. WINDER 2 ENG. SV1450-05



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	168			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

CLIPS	TABLE	CHAIN TENSION	CHAIN TRACK LUBRIF.	CLIPS LUBRIF.	CLIPS LUBRIF.	CHAIN TRACK LUBRIF.	CLIPS LUBRIF.
SV1511-01	SV1511-02	SV1515-08	SV1518-01	SV1518-03	SV1518-04	SV1518-02	SV1518-05



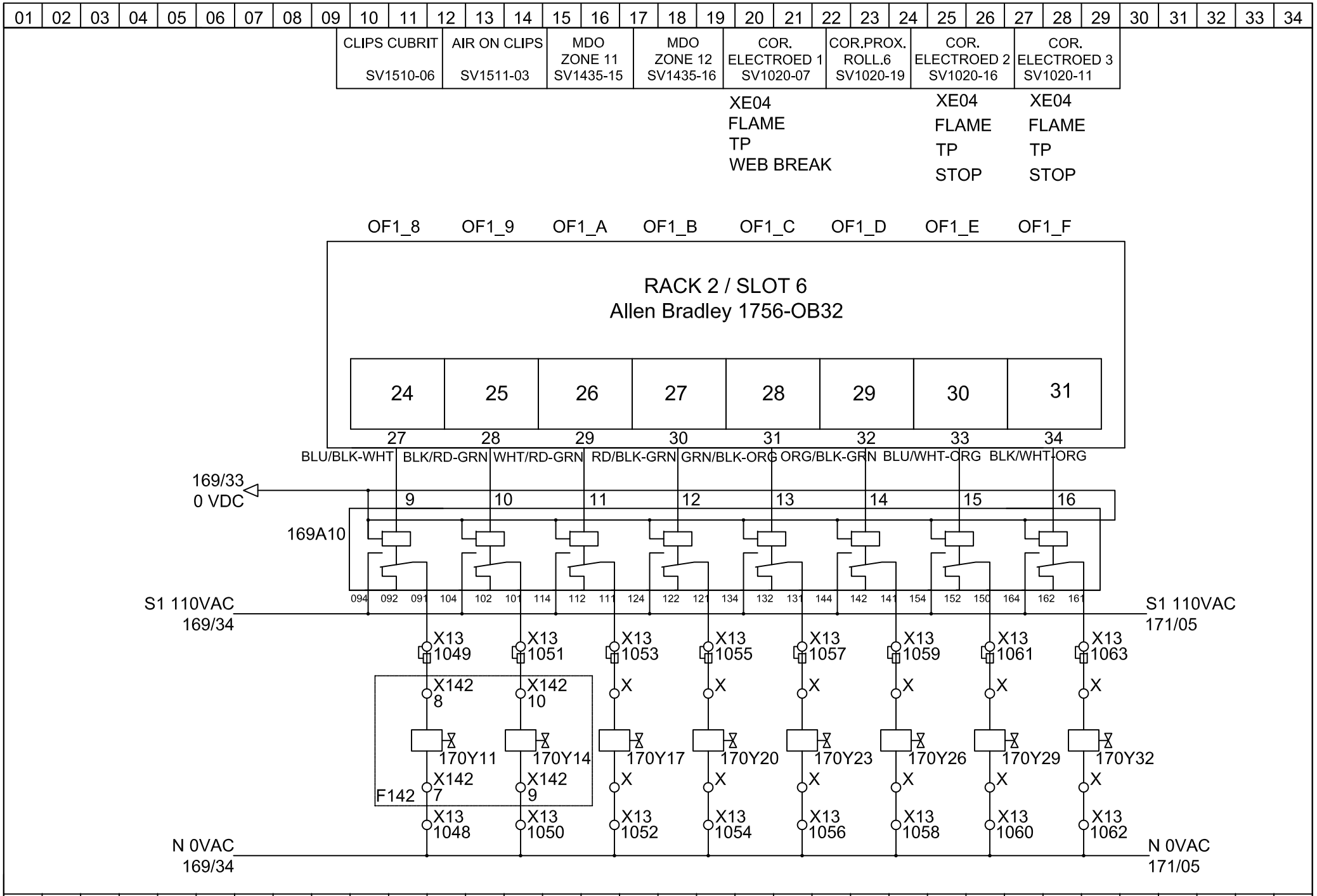
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

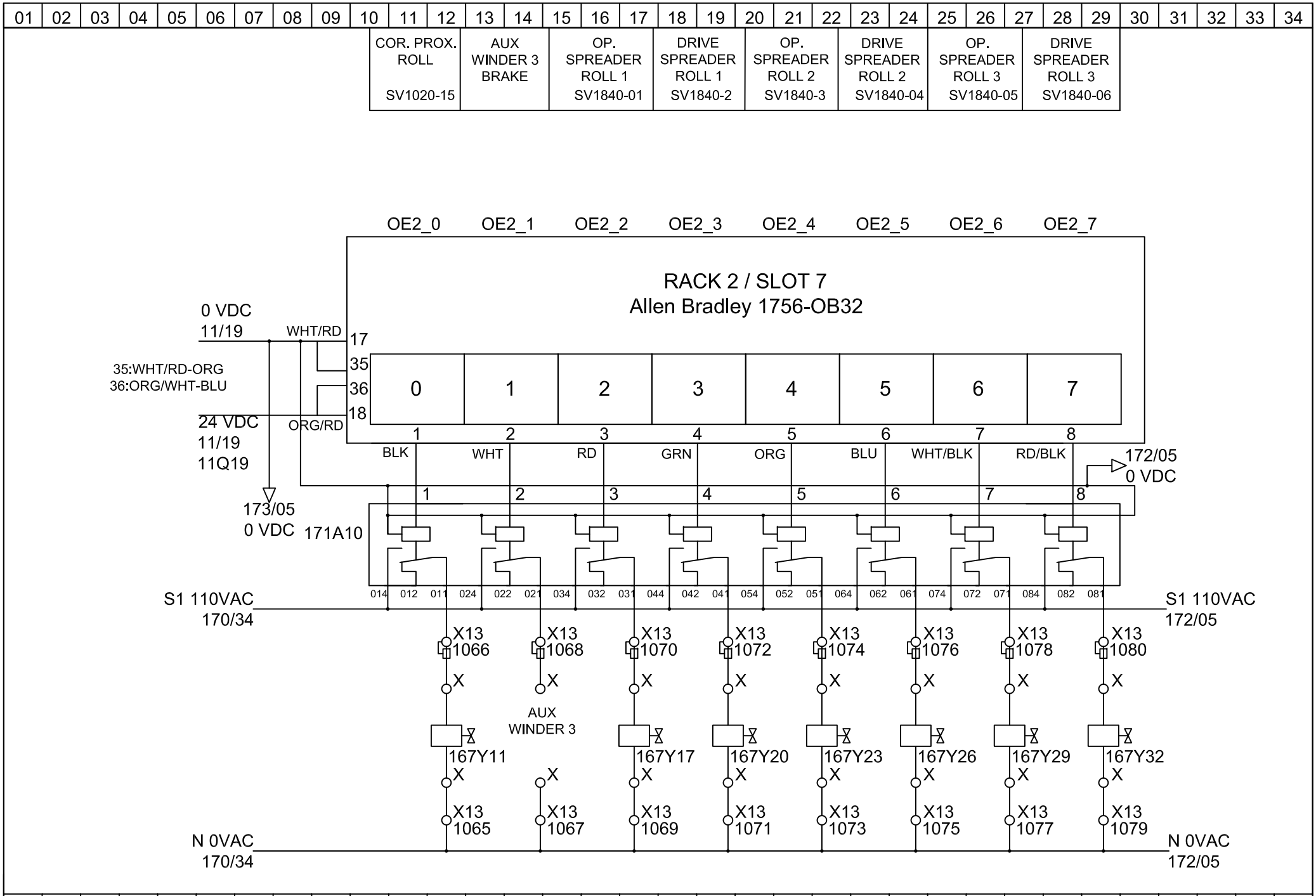
32 P.L.C. DIGITAL OUTPUT

				DRAWING DESCRIPTION	KF F13	Page #	169				
						Total					
1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL					
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		

DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

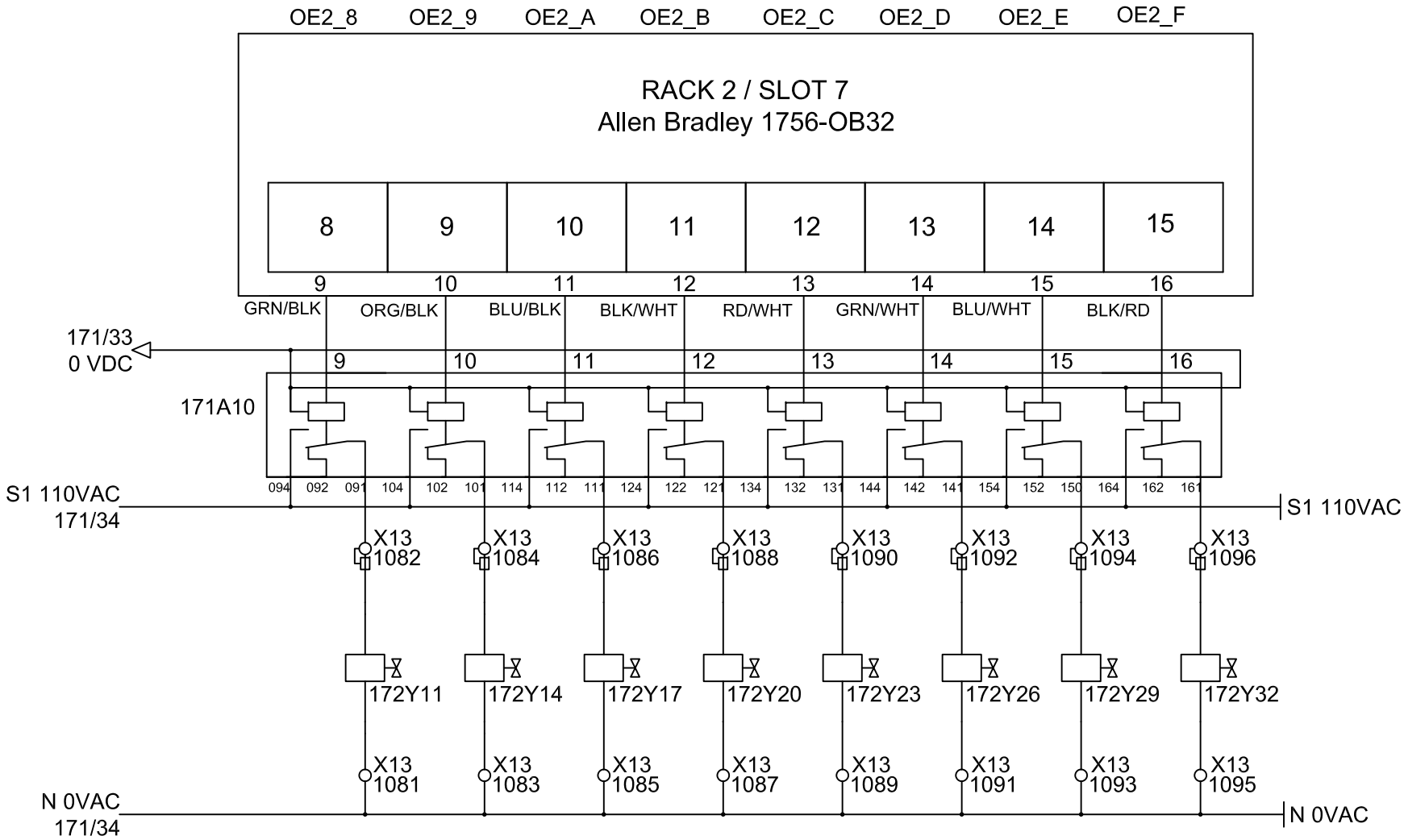


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	170				
								Total					
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/06/2023	DRAWING NO.		MATERIAL					
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	171	
							Total		
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.	MATERIAL		
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014	SCALE NONE	UNIT MM	

OP. NIP ROLL	DRIVE NIP ROLL	OP. KNIFE	DRIVE KNIFE	AUX. WINDER 3 ENG.	AUX. WINDER 3 RETR.	AUX. WINDER 3 LOCKING	GAS TDO OPEN/CLOSE
SV1850-01	SV1850-02	SV1850-03	SV1850-04	SV1860-01	SV1860-02	SV1860-03	SV1500-00



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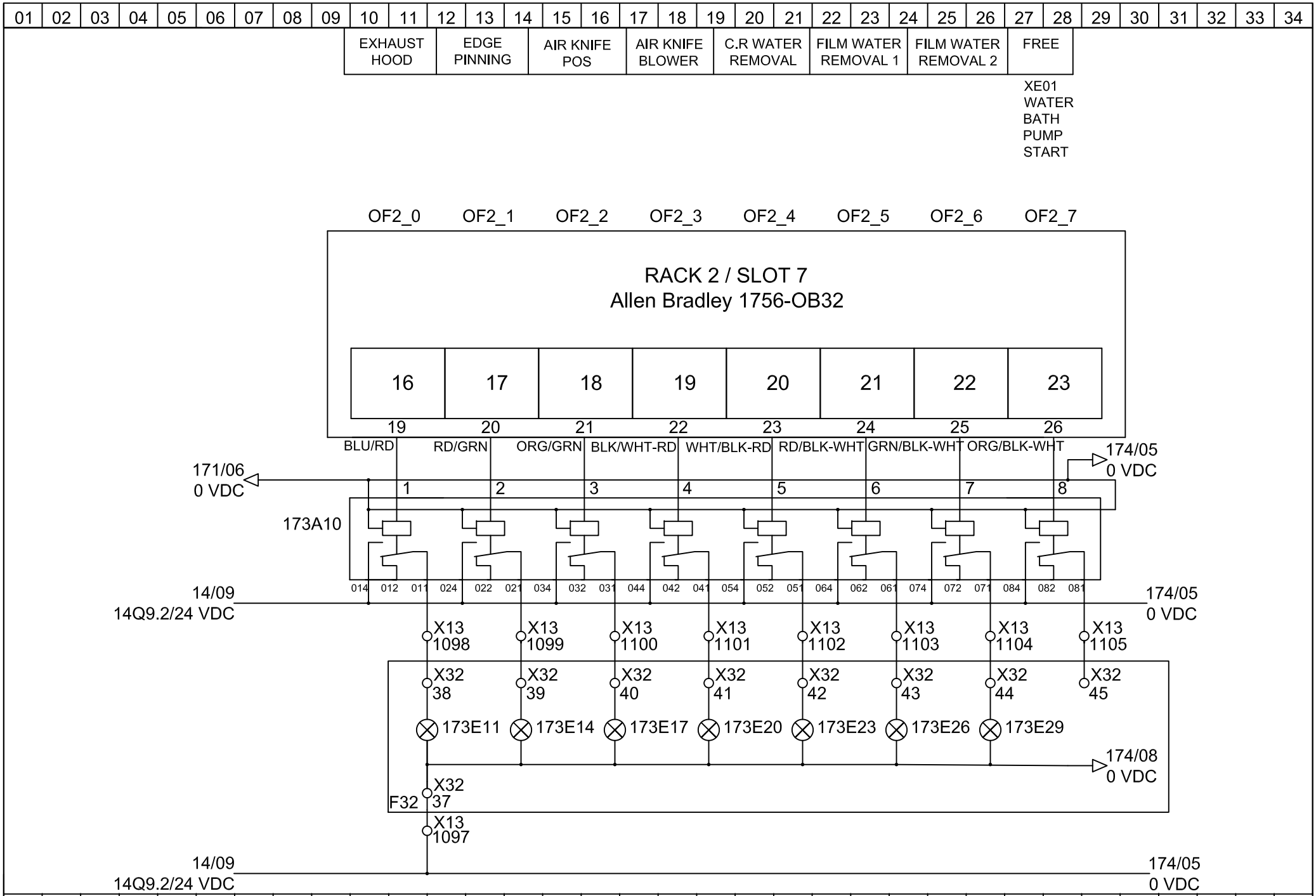
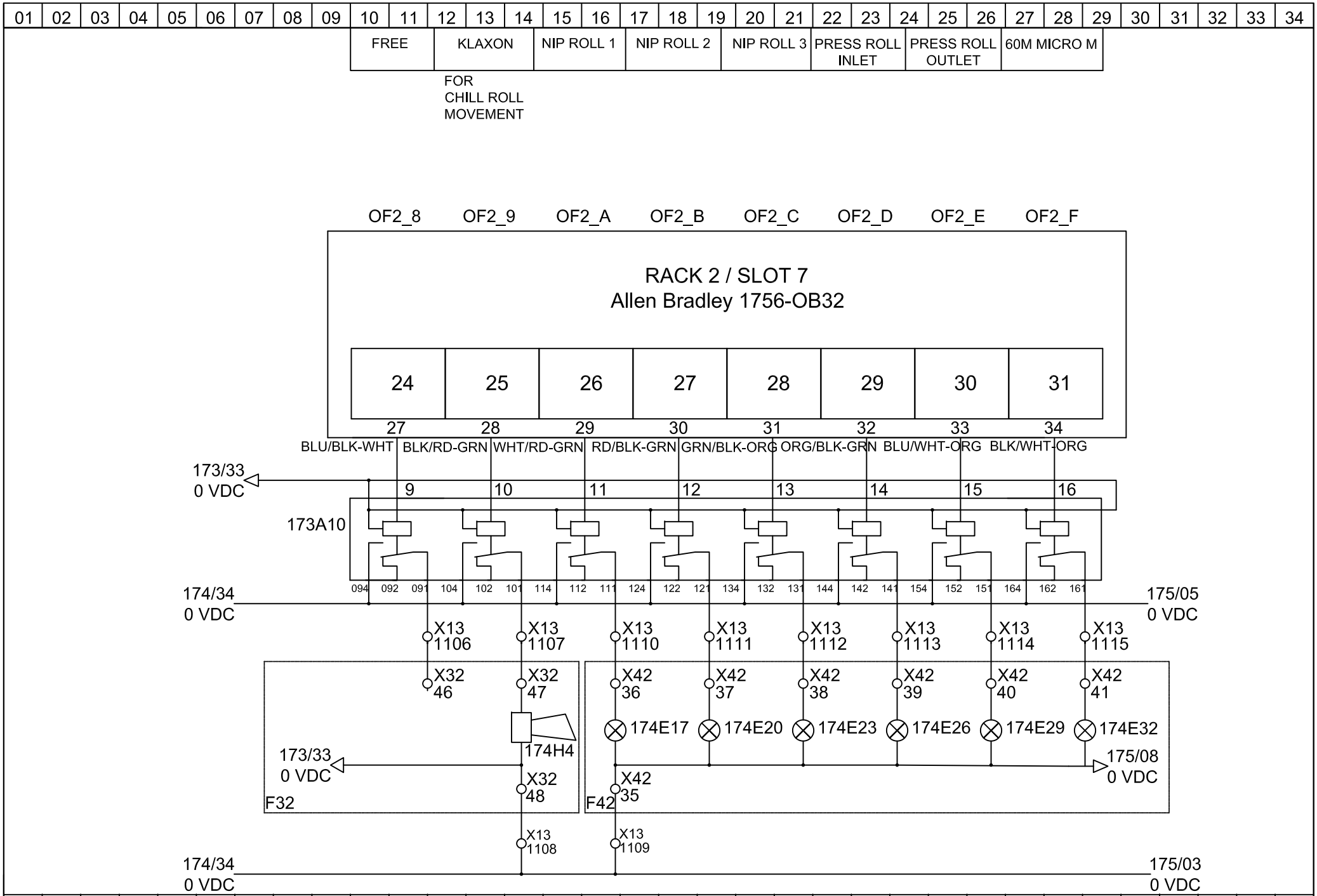
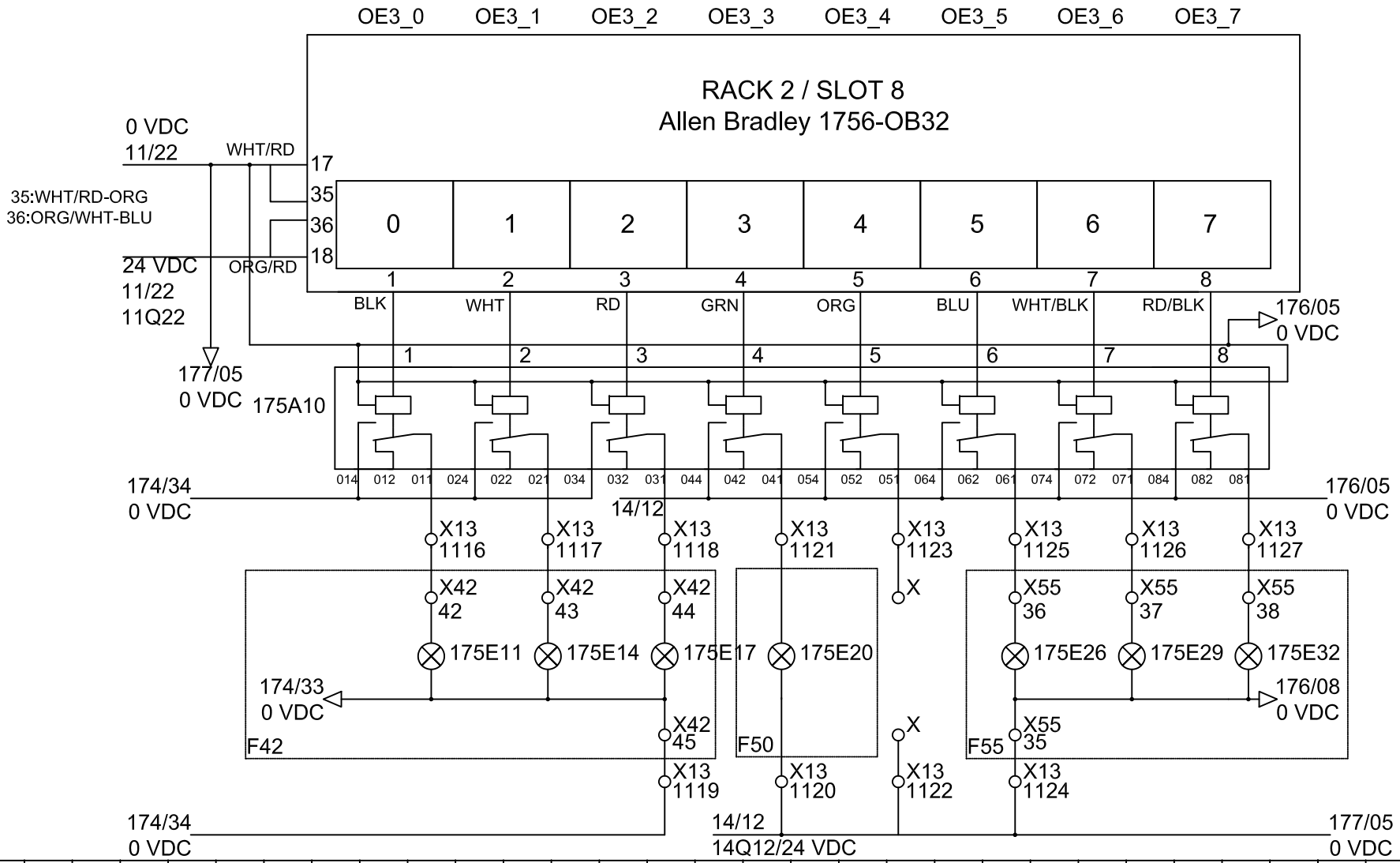


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	173		
									Total			
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	174		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

WEB BREAK MDO	WEB BREAK MDO	BY PASS/ON MDO	CHAIN TENSION	FREE	BY PASS/ON TDO	BY PASS/ON PRS	COR.PROX. ROLL 6



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	175			
							Total				
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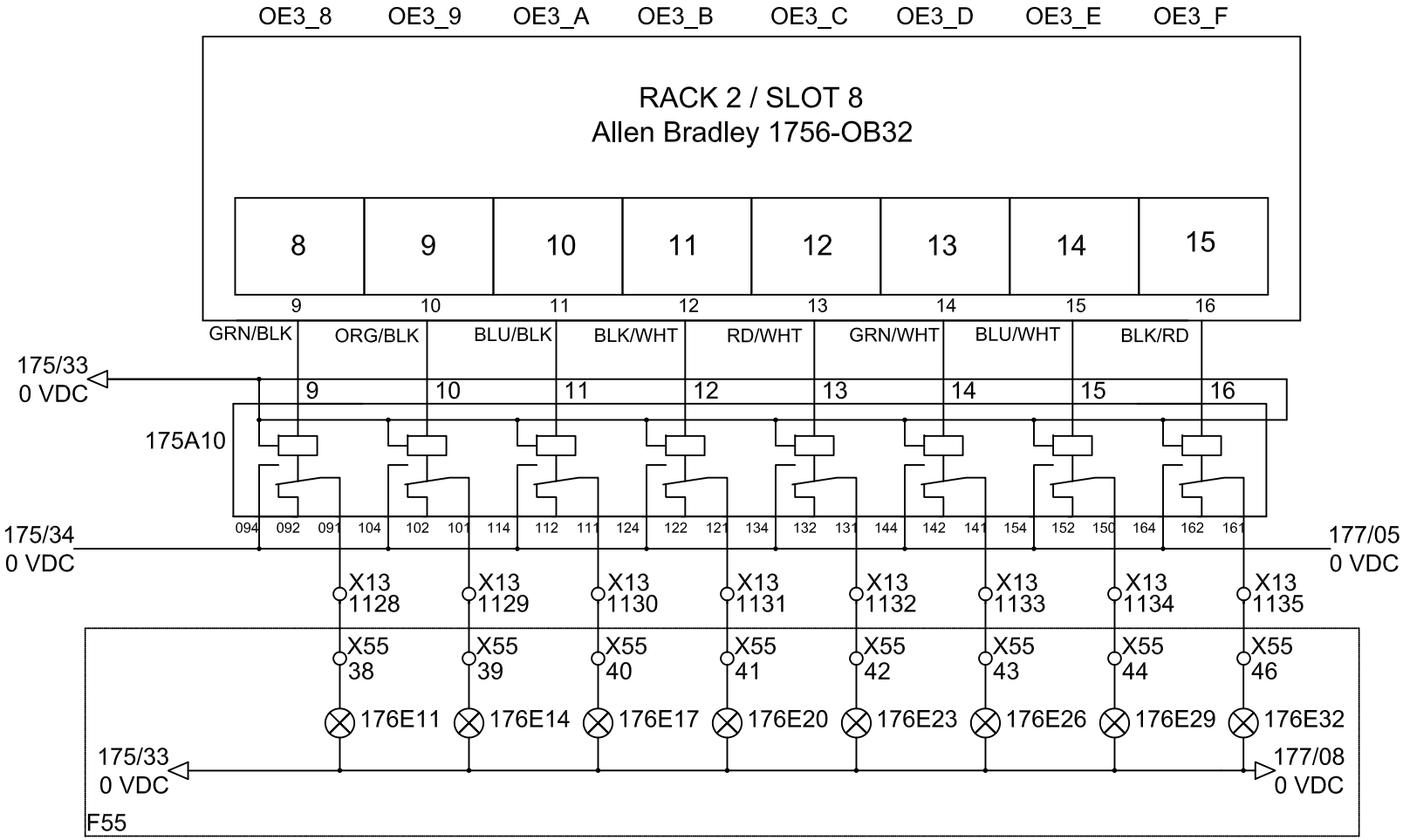
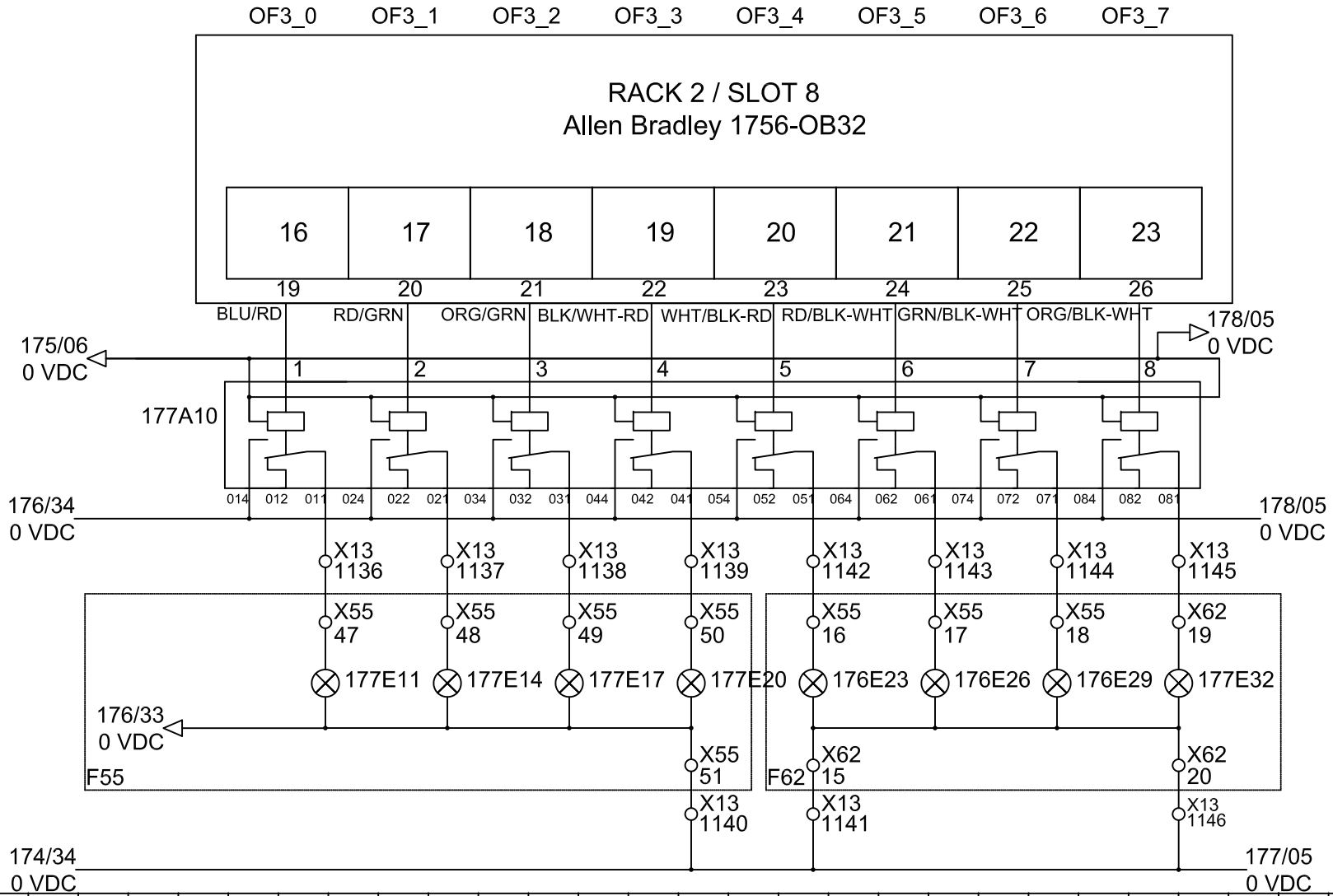
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

COR. ELECTRODE 1	COR. ELECTRODE 2	NIP ROLL FOR CORONA 3	COR. ELECTRODE 3	VACUUM ROLL 1	VACUUM ROLL 2	OZONE EXHAUST FAN 1	OZONE EXHAUST FAN 2
	WEB BREAK AND/OR PRS STOP ENGAGED LAMP						

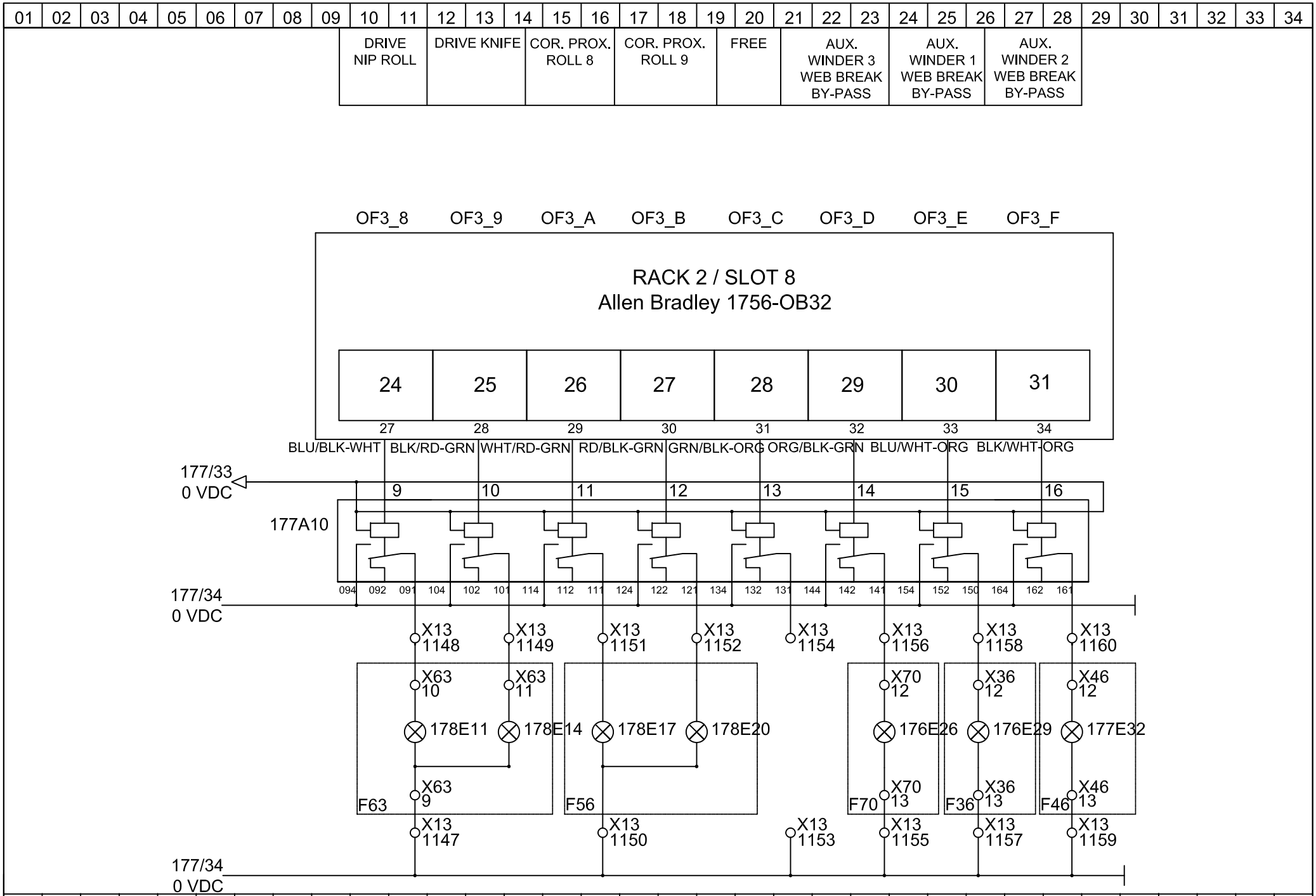


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	176			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

OZONE EXHAUST FAN 3	STATE CELL NUM 0	STATE CELL NUM 1	STATE CELL NUM 2	OP. NIP ROLL	OP. KNIFE	DRIVE NIP ROLL	DRIVE KNIFE

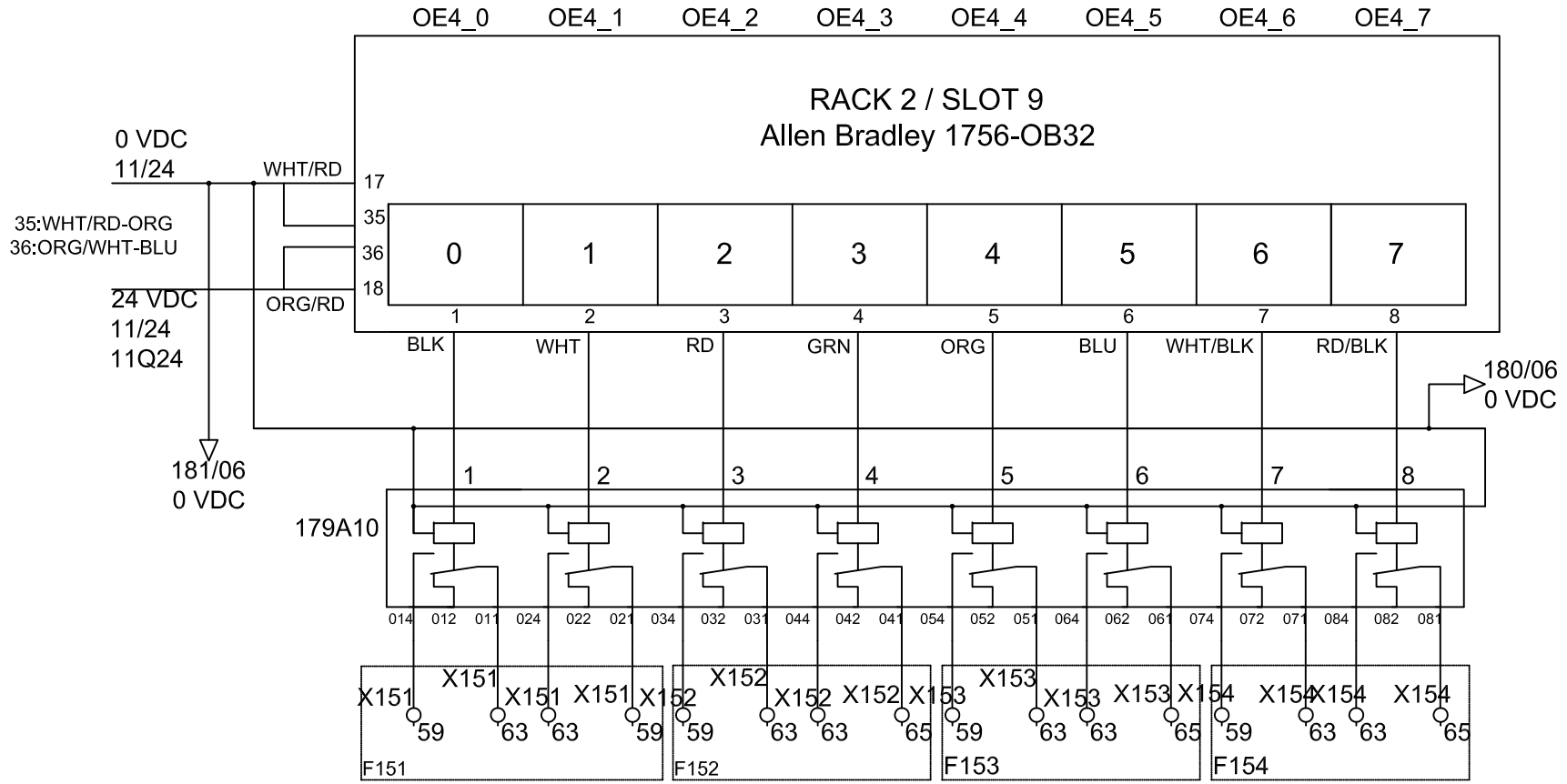


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT					DRAWING DESCRIPTION	KF F13	Page #	177		
								Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	178			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/08/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

BURNER 1 INTER.	BURNER 1 COMM.	BURNER 2 INTER.	BURNER 2 COMM.	BURNER 3 INTER.	BURNER 3 COMM.	BURNER 4 INTER.	BURNER 4 COMM.



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

DRAWN BY: JEFF LEE
CHECKED BY: VINCENT HUANG

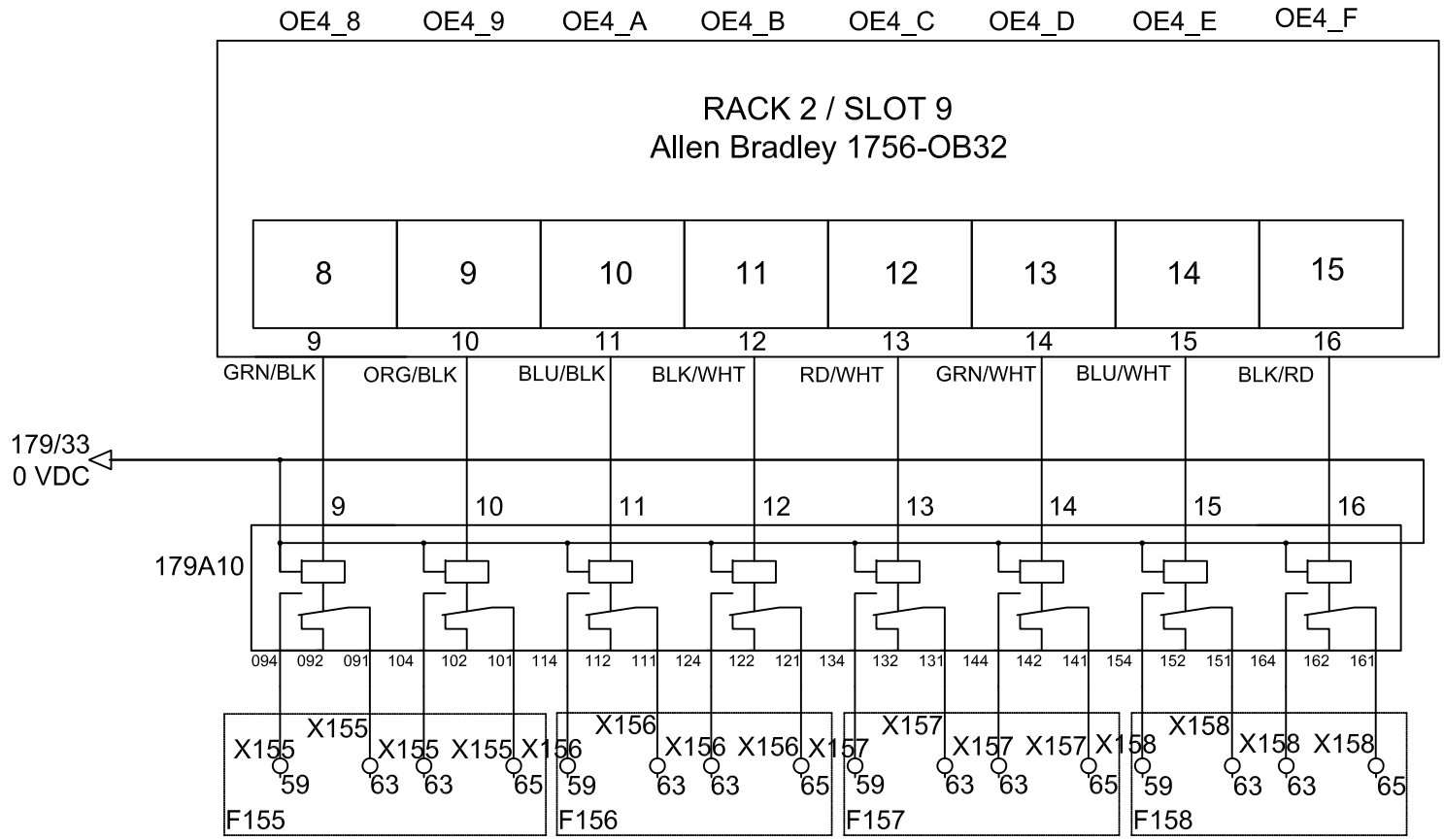
32 P.L.C. DIGITAL OUTPUT

REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE
1	UPGRADE TO AB	Bryan Hong	12/11/2023

DRAWING DESCRIPTION: KF F13
DRAWING NO.:
DRAWN DATE: 03-03-2014

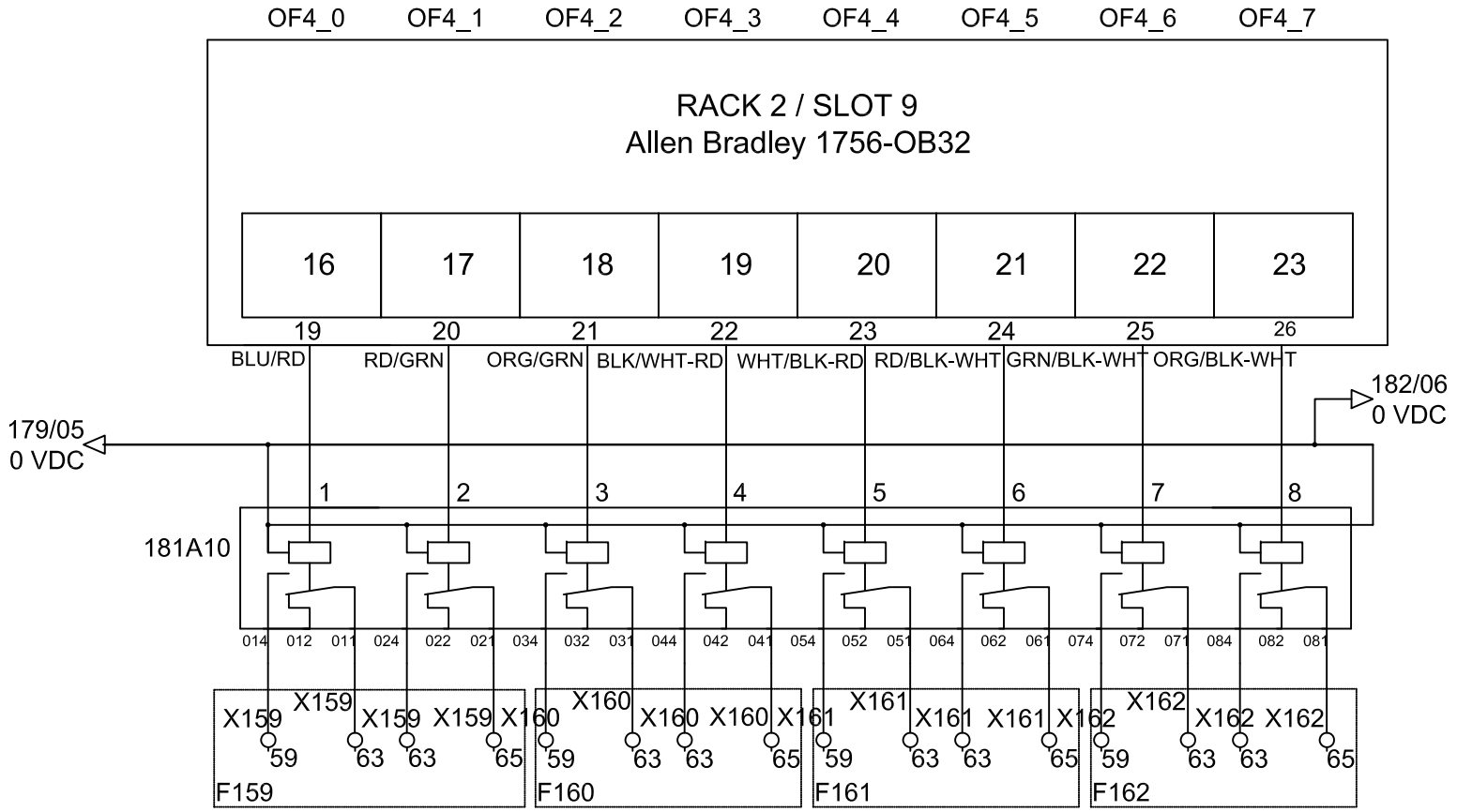
Page # 179
Total
MATERIAL
SCALE NONE UNIT MM

BURNER 5 INTER.	BURNER 5 COMM.	BURNER 6 INTER.	BURNER 6 COMM.	BURNER 7 INTER.	BURNER 7 COMM.	BURNER 8 INTER.	BURNER 8 COMM.



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	180			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

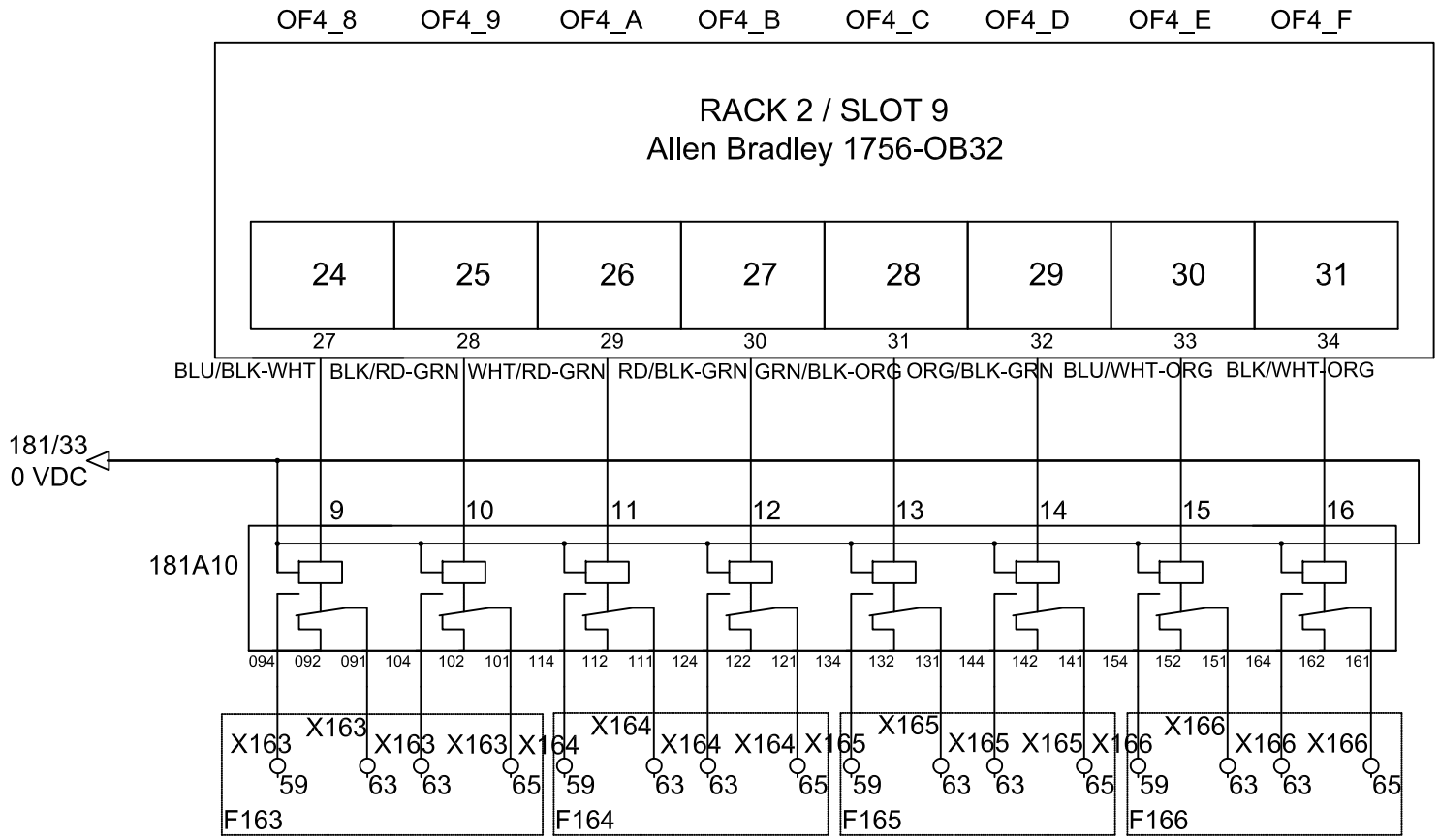
BURNER 9 INTER.	BURNER 9 COMM.	BURNER 10 INTER.	BURNER 10 COMM.	BURNER 11 INTER.	BURNER 11 COMM.	BURNER 12 INTER.	BURNER 12 COMM.



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	181		
							Total			
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

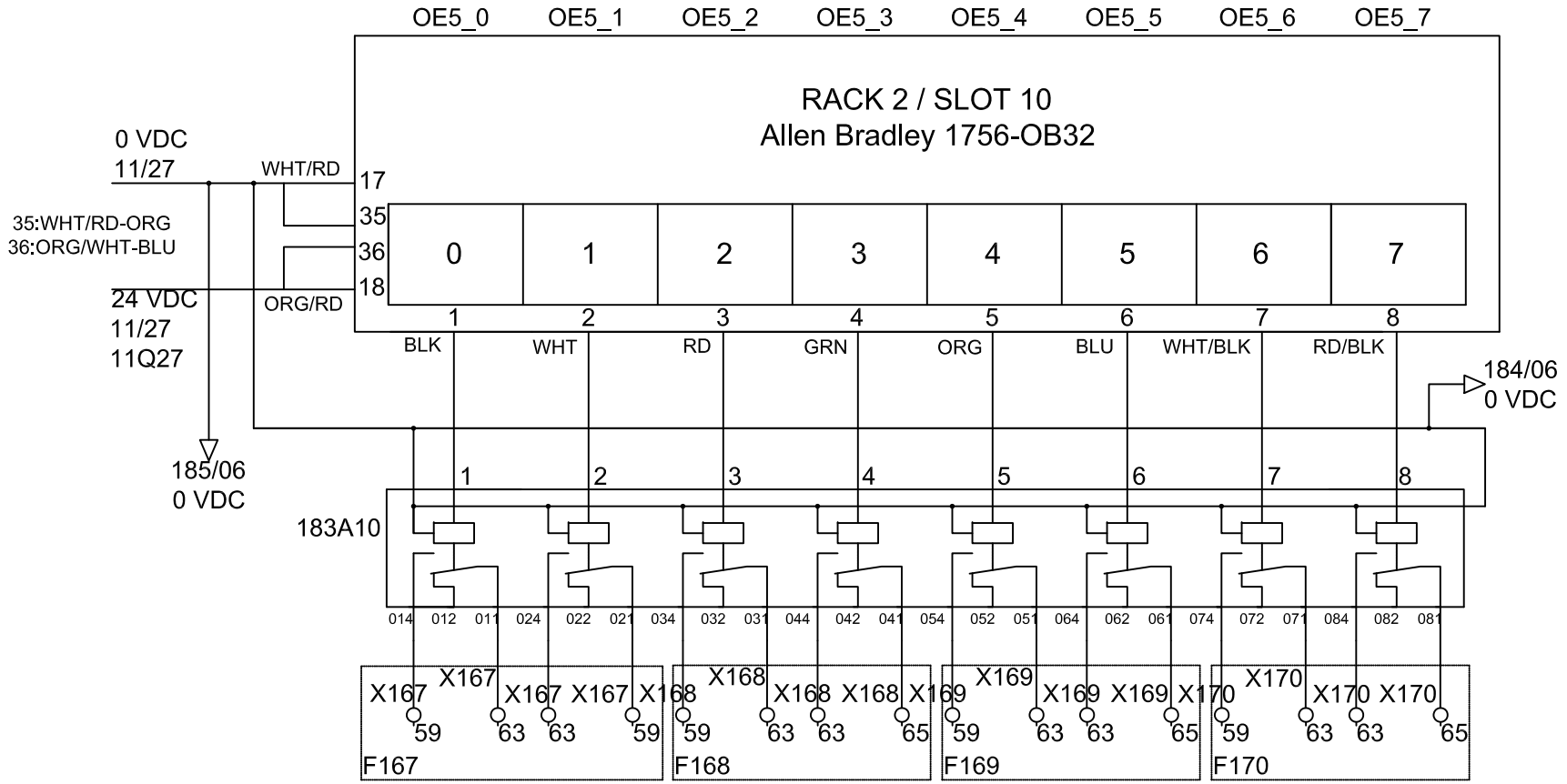
BURNER 13 INTER.	BURNER 13 COMM.	BURNER 14 INTER.	BURNER 14 COMM.	BURNER 15 INTER.	BURNER 15 COMM.	BURNER 16 INTER.	BURNER 16 COMM.



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.		32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	182		
								Total			
DRAWN BY	JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL		
CHECKED BY	VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT MM

BURNER 17 INTER.	BURNER 17 COMM.	BURNER 18 INTER.	BURNER 18 COMM.	BURNER 19 INTER.	BURNER 19 COMM.	BURNER 20 INTER.	BURNER 20 COMM.



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

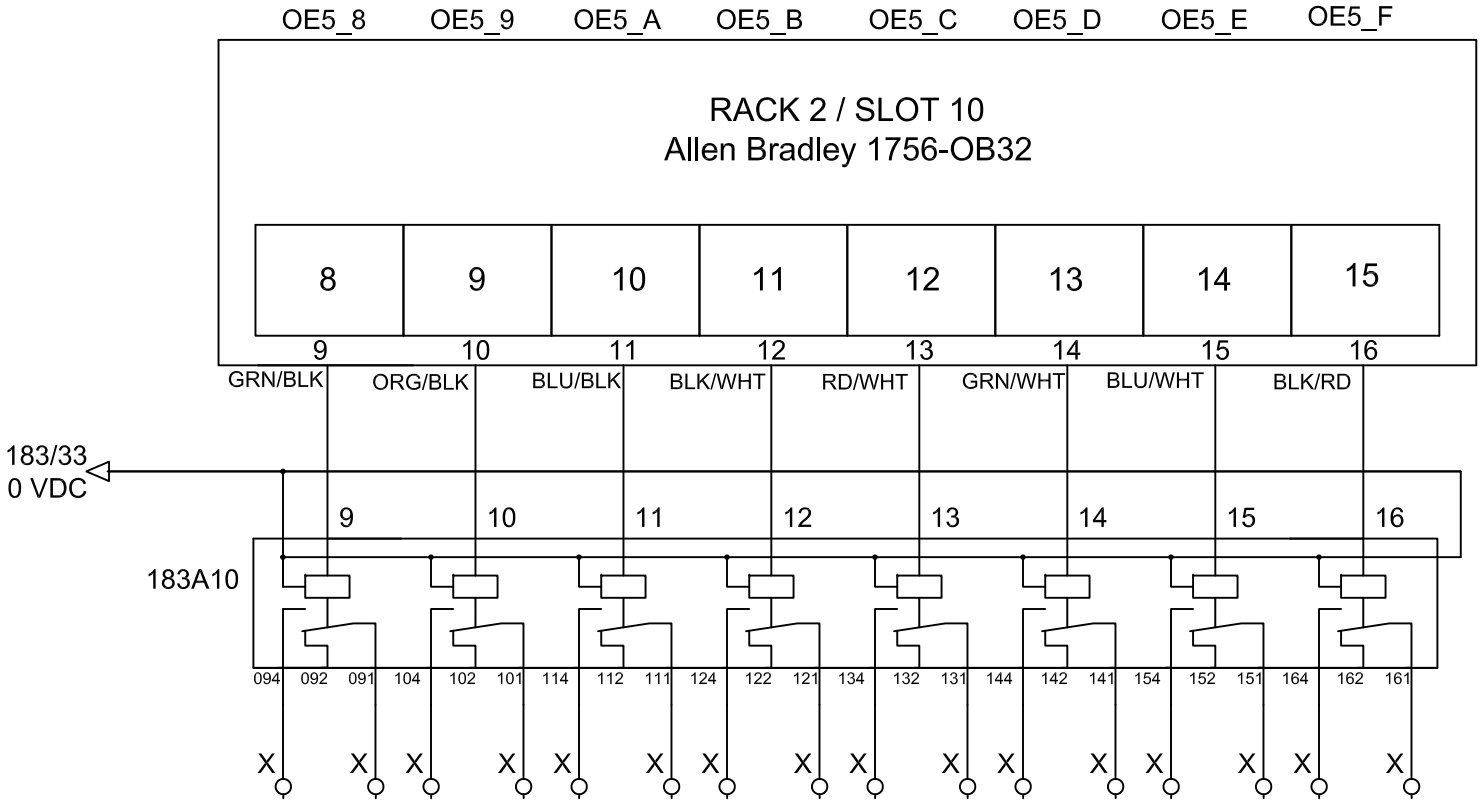
INTEPLAST GROUP, Ltd.
AMTOPP DIVI. M/E DEPT.

32 P.L.C. DIGITAL OUTPUT

				DRAWING DESCRIPTION	KF F13	Page #	183				
						Total					
1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL					
REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM		

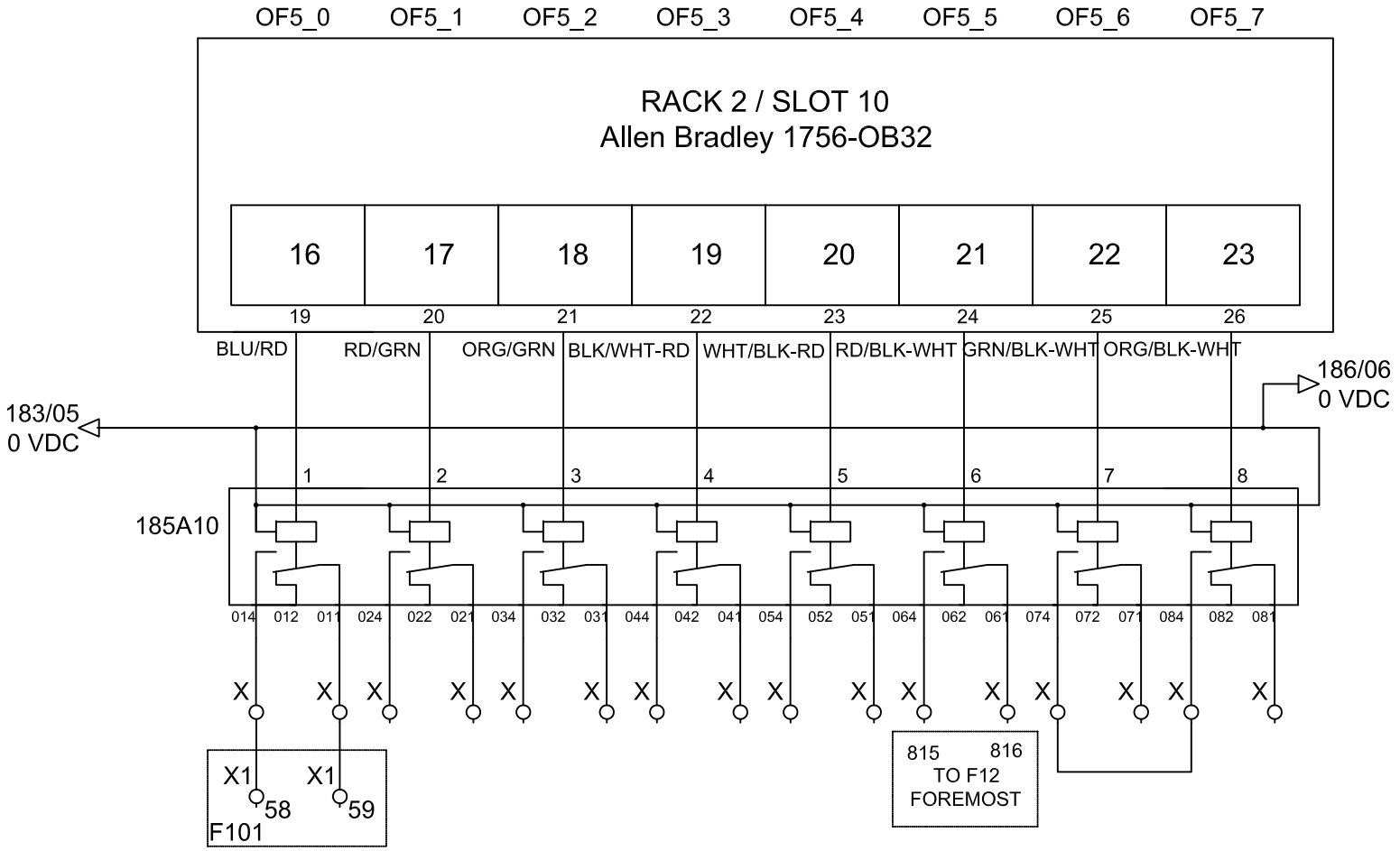
DRAWN BY	JEFF LEE
CHECKED BY	VINCENT HUANG

P184 KNIFE GATE OPEN	P184 KNIFE GATE CLOSE	MDO WEB BREAK	FREE	FREE	FREE	FREE	FREE



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	184			
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2024		Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

TDO & PRS WEB BREAK	FLAME TERATER WEB BREAK PROCESS STOP ACTION & VACCUUM ROLL #2 ON P185	C.R. SPEED	KLAXON FM F12	S.T. CD ENGAGE P185	S.T. CD RETRACT P185



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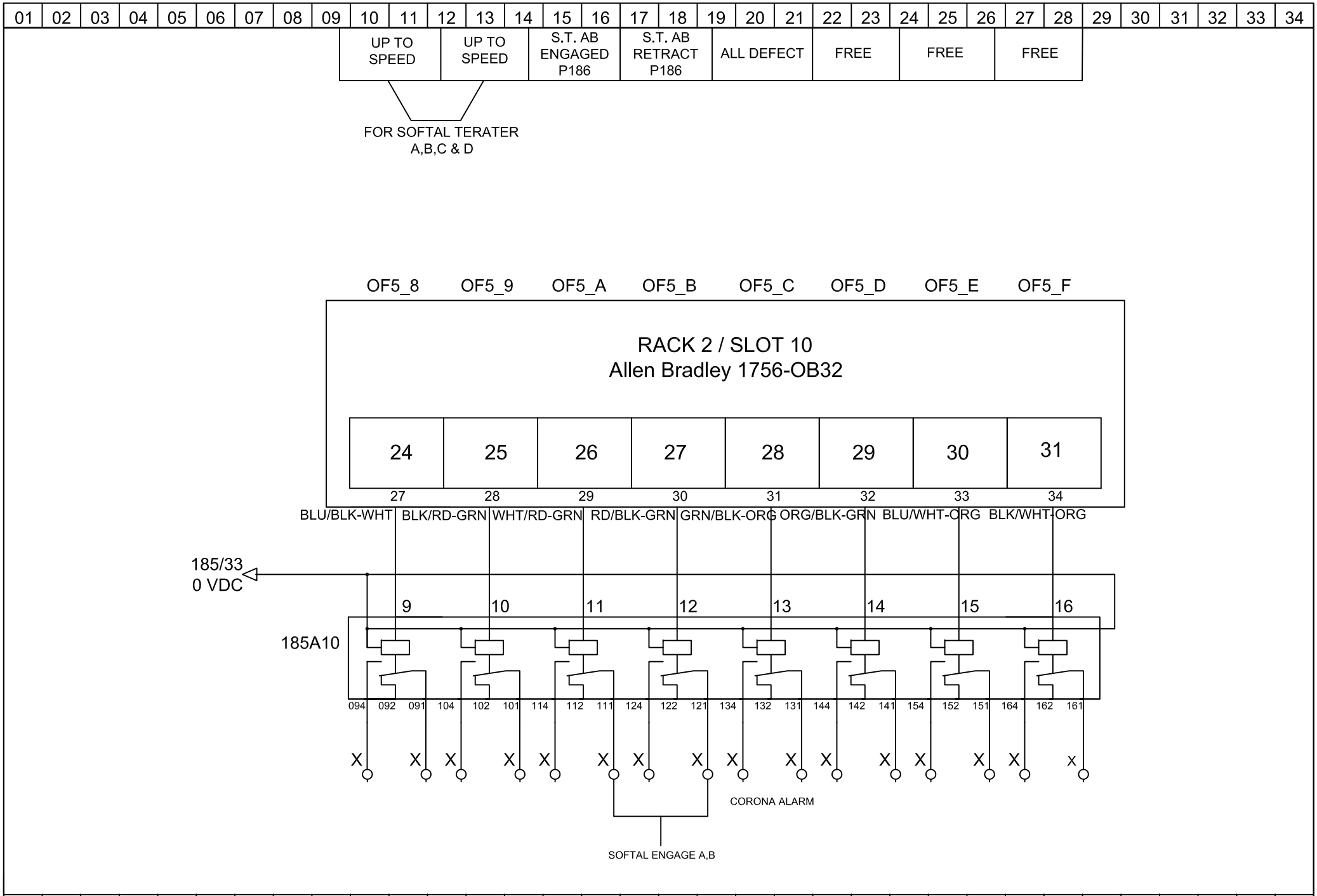
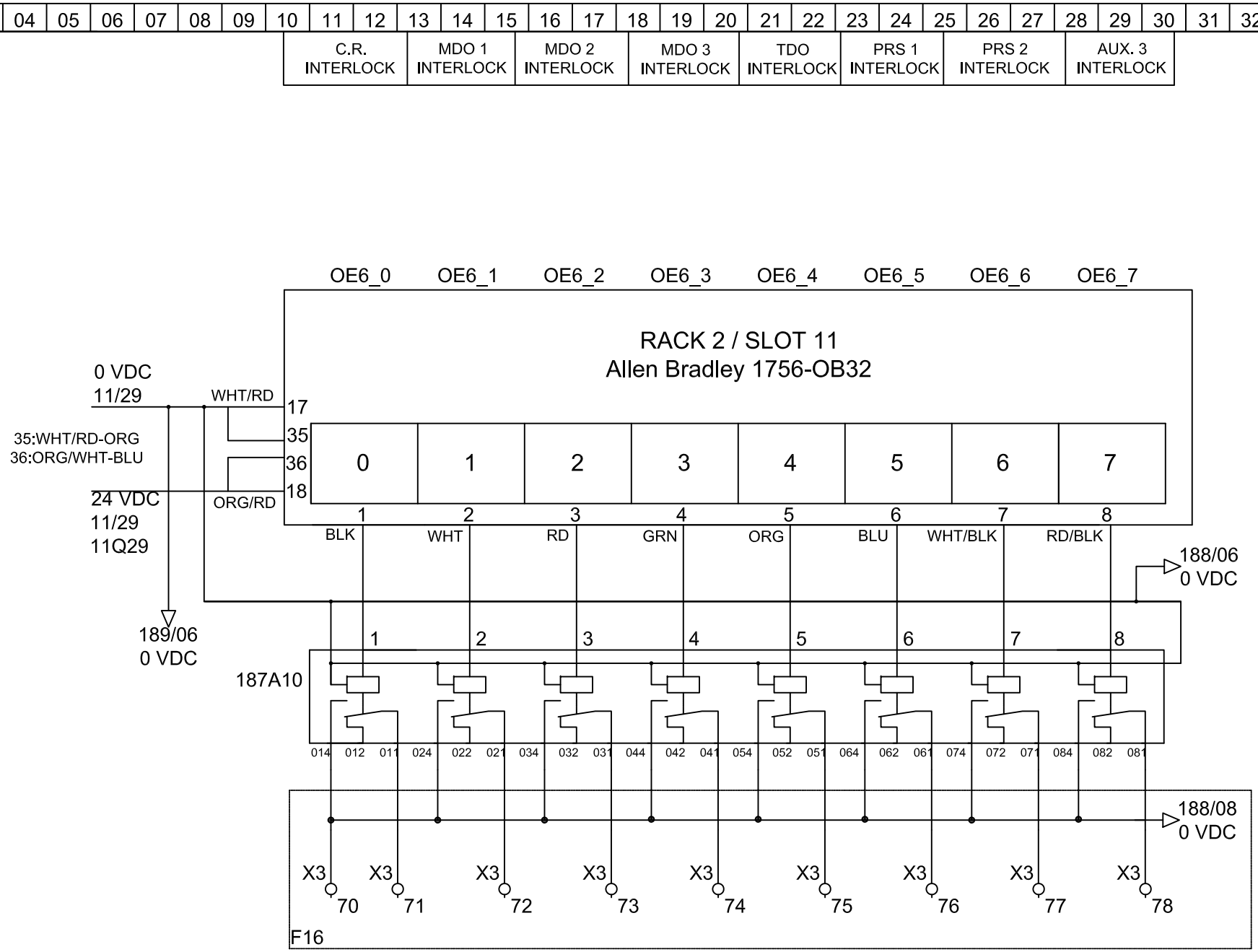
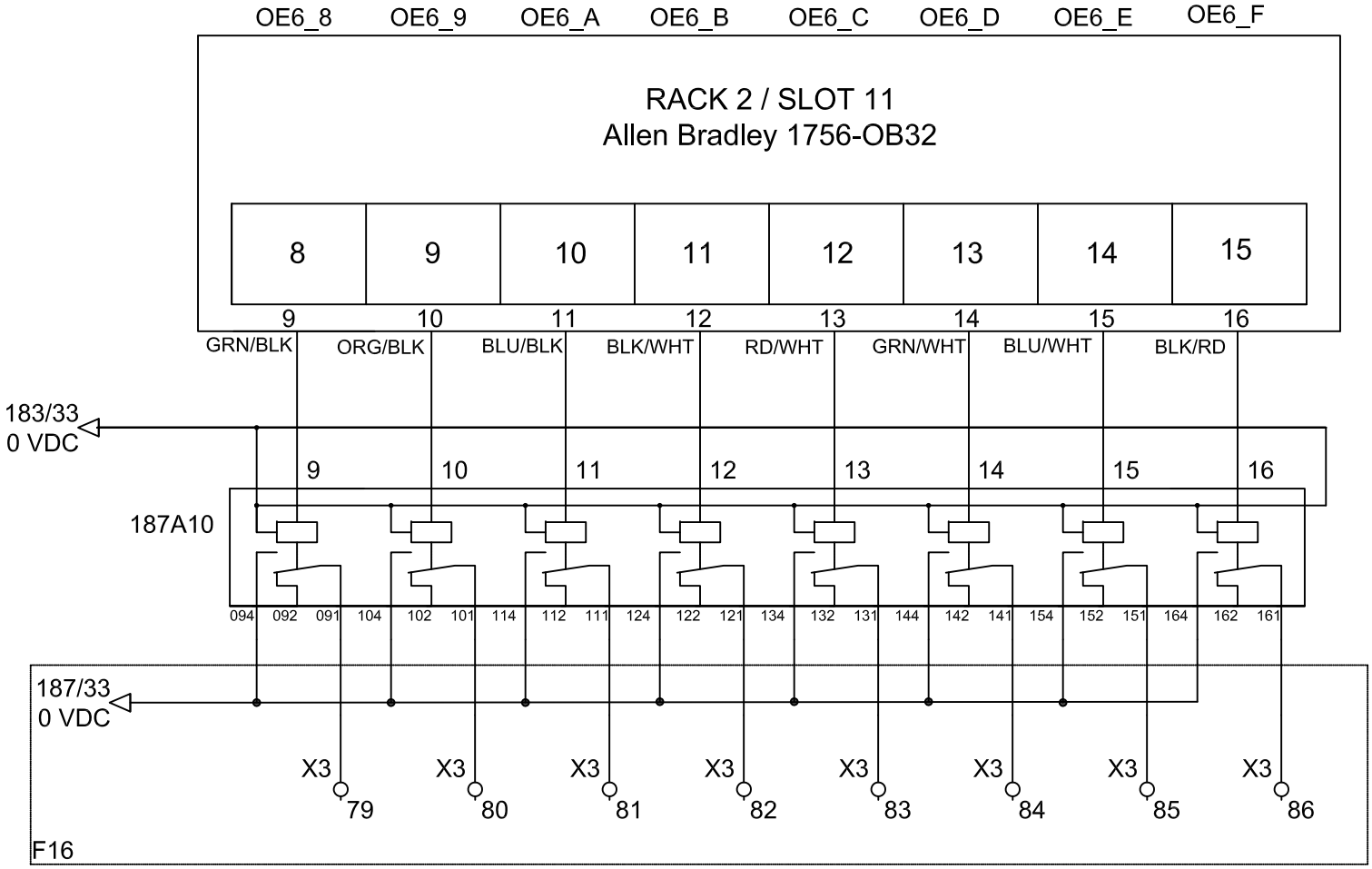


INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	186			
		2	LINE1 F13 UPGRADE	Leo Lin	01/23/2025		Total				
DRAWN BY JEFF LEE		1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY VINCENT HUANG		REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE: 03-03-2014		SCALE	NONE	UNIT	MM



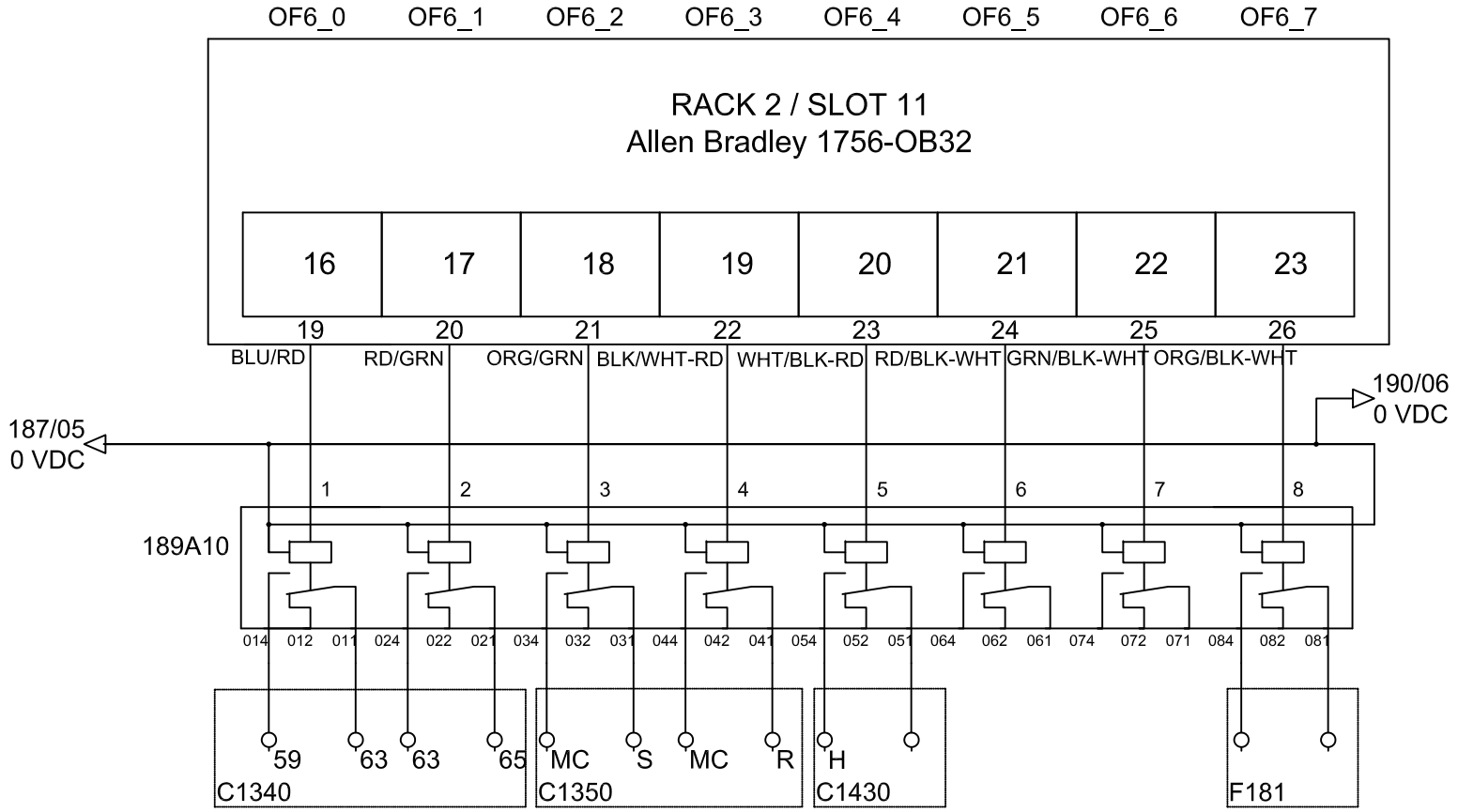
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	187			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

AUX. 2 INTERLOCK	AUX. WINDER INTER	WEB BREAK MDO	WEB BREAK TDO	WEB BREAK PRS	MDO WARM ROLLS	TDO WARM	AUX. WINDER START/STOP



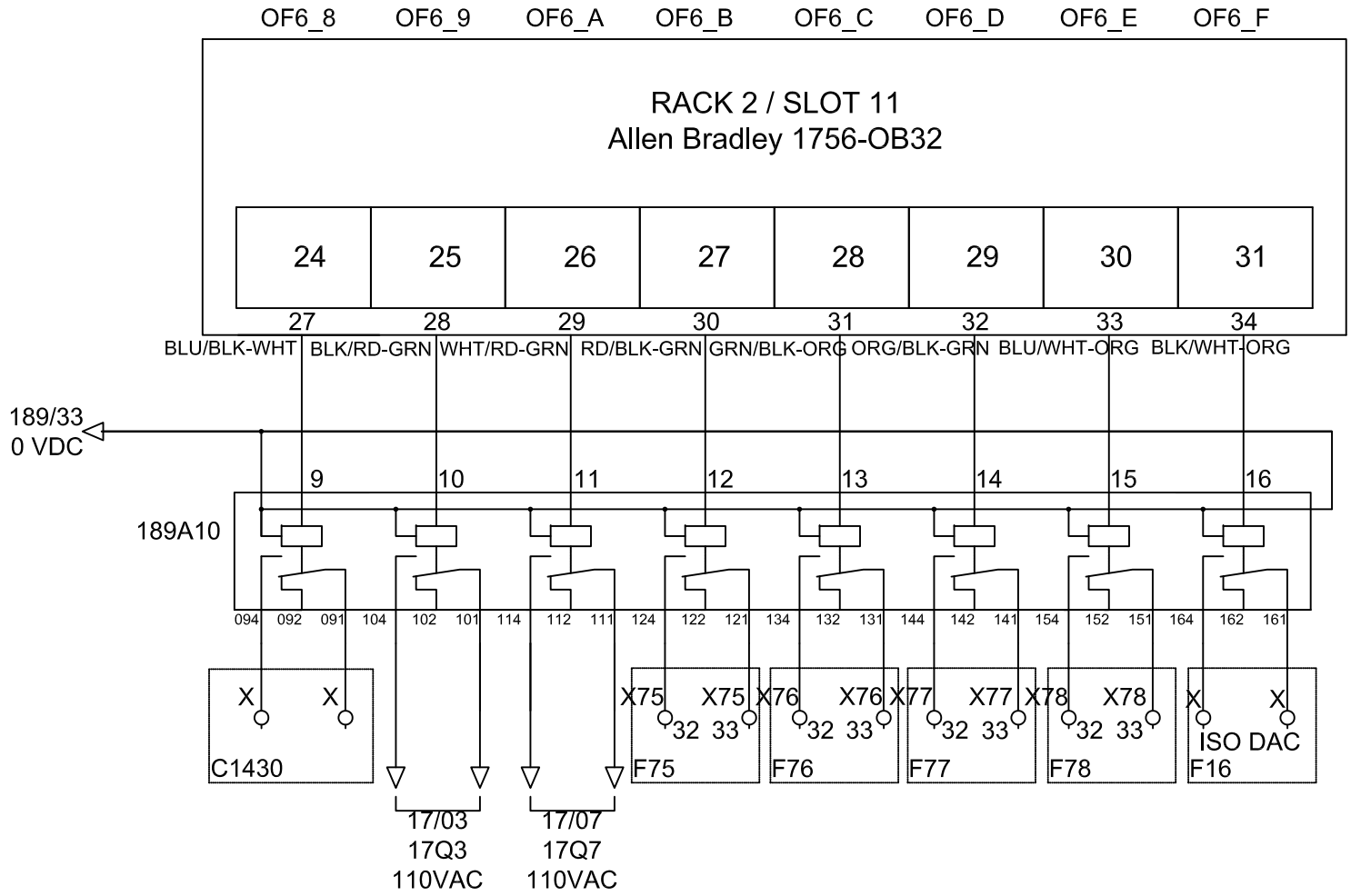
INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	188			
							Total				
DRAWN BY	JEFF LEE	1	UPGRADE TO AB	Bryan Hong	12/11/2023	DRAWING NO.		MATERIAL			
CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM

C.R COOLING INTER C1340	C.R COOLING INTER C1340	WATER BATH INTER C1350	WATER BATH COMM. C1350	START GAS BOILER SKID C1430	GAS BOILER SKID COMM. C1430	WATER BATH LEVEL SV1350-03	WEB BREAK FOR NESUREX



| INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT. | | 32 P.L.C. DIGITAL OUTPUT | | |

GAS BOILER SKID	KLAXON	ROTATING LIGHT	COR.1 INTERLOCK	COR.2 INTERLOCK	COR.3 INTERLOCK	COR.4 INTERLOCK	START ORDER
C1430	PRS	PRS	WEB DETECT G1820-01	STOP G1820-02	STOP G1820-03	G1820-04	ISO DAC NESULEX
			XE04 FLAM TR	XE04 FLAM TR	XE04 FLAM TR		



INTEPLAST GROUP, Ltd. AMTOPP DIVI. M/E DEPT.	32 P.L.C. DIGITAL OUTPUT				DRAWING DESCRIPTION	KF F13	Page #	190			
							Total				
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CHECKED BY	VINCENT HUANG	REV. NO	REV. DESCRIPTION	REV. BY:	REV. DATE	DRAWN DATE:	03-03-2014	SCALE	NONE	UNIT	MM